GRUNDIG

CARaudio
Service-Management

Service Manual

SEAT AURA v3 (G.HL 18-00)

(D) Inhaltsverzeichnis

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Zusätzlich erforderliche Unterlagen für den Komplettservice
Additionally required Documents for the Complete Service

Service Manual
Sicherheit
Safety
Mat.-Nr./Part No.
72010 800 0000

Dieses Service Manual ist nur in Datenform verfügbar
This Service Manual is only available as data

Änderungen vorbehalten
Subject to alteration

Made by GRUNDIG in Germany
E-BS 36 0300 72010 850 0100
http://www.grundig.com

Bedienhinweise / Operating Hints

TASTENFUNKTIONEN / KEY-FUNCTIONS SEAT AURA

Taste Key	Radio-Mode (Device 1)			Tape-Mode (Device 2)		MCD-Mode (Device 3)		T-PHONE-Mode (Device 4)	
	Kurz dücken Push short	Time out 1 > 2s	Time out 2 > 4s	Kurz dücken Push short	Time out 1 > 2s	Kurz dücken Push short	Time out 1 > 2s	Kurz dücken Push short	Time out 1 > 2s
Eject Mech.	Eject Tape			Eject Tape		Eject Tape		Eject Tape	
Reverse Mech.				Reverse				Reverse	
Encoder	ON/OFF turn left: Volume minus turn right: Volume plus			ON/OFF turn left: Volume minus turn right: Volume plus		ON/OFF turn left: Volume minus turn right: Volume plus		ON/OFF turn left: Volume minus turn right: Volume plus	
Bal Fad Bass Treb	Encoder turn left: plus turn right: minus			Encoder turn left: plus turn right: minus		Encoder turn left: plus turn right: minus		Encoder turn left: plus turn right: minus	
Loud Mono	Loud	Mono		Loud	Mono	Loud	Mono	Loud	Mono
PTY Prog	PTY	Program							
TAPE CD	TAPE / CD			TAPE / CD		TAPE / CD		TAPE / CD	
Phones	Headphone on / off	Source select		Headphone on / off	Source select	Headphone on / off	Source select	Headphone on / off	Source select
> Track +	FM: search RDS: Learn search AM: search PTY: next			next track	Track search+	next track	Fast Forward	FM: search RDS: Learn search AM: search CD: next track	CD: fast Forward
< Track -	FM: search RDS: Learn search AM: search PTY: next			last track	Track search-	last track	Fast Rewind	FM: search RDS: Learn search AM: search CD: next track	CD: fast Rewind
TP / AS (TA)	TP - Function ON / OFF	AS-Function		TP - Function ON / OFF	AS-Function	TP - Function ON / OFF	AS-Function	TP - Function ON / OFF	AS-Function
FM / AM	FM	MW / LW		FM	MW / LW	FM	MW / LW	FM / MW / LW	
RDS	RDS			RDS				RDS	RDS I / II / III
DX / MAN	DX	MAN		DX	MAN	DX	MAN		
1	preset 1 PTY: storage programtype	store frequency PTY: store programtyp				Switch repeat Track ON / OFF		preset 1	store frequency
2	preset 2 PTY: storage programtype	store frequency PTY: store programtyp				Switch repeat with CD or Magazin ON / OFF		preset 2	store frequency
3	preset 3 PTY: storage programtype	store frequency PTY: store programtyp				Switch random Function ON / OFF		preset 3	store frequency
4	preset 4 PTY: storage programtype	store frequency PTY: store programtyp						preset 4	store frequency
5	preset 5 PTY: storage programtype	store frequency PTY: store programtyp				last CD		preset 5	store frequency
6	preset 6 PTY: storage programtype	store frequency PTY: store programtyp				next CD		preset 6	store frequency
Dolby / Cr				Dolby	Cr			Dolby	Cr
⇨	Removing Control Panel							Power Off	

Tastenfunktionen im Programm-Modus

Key-Functions in the Program Mode

	Program Mode										
Display	BLK	BEEP	MONO	LRN	REG	IGN	ONVOL	TAVOL	SMVOL	SCVOL	CODE
	Blink On/Off	Roger Beep On/Off	Mono Aut/Man	Auto-learn TP On/Off	Region RDS On/Off	Ignition On/Off	Switch ON max volume	TA-Vol adjustment	Phone adjustment	SCV adjustment	Code
Key	Push short	Push short	Push short	Push short	Push short	Push short	Push short	Push short	Push short	Push short	Push short
> Track +	next Function ON / OFF	next Function ON / OFF	next Function AUT / MAN	next Function ON / OFF	next Function ON / OFF	next Function ON / OFF	next Function 0 … 35	next Function 5 … 35	next Function 0 … 46	next Function OFF/LOW/ MID/HIGH	next Function
< Track -	last Function ON / OFF	last Function ON / OFF	last Function AUT / MAN	last Function ON / OFF	last Function ON / OFF	last Function ON / OFF	last Function 0 … 35	last Function 5 … 35	last Function 0 … 46	last Function OFF/LOW/ MID/HIGH	last Function
1											Code: 1.digit
2											Code: 2.digit
3											Code: 3.digit
4											Code: 4.digit
PROG											save value
Default value	ON	ON	AUTO	ON	ON	ON	15	15	10	MID	CODE

(D) Abgleichvorschriften

1. Hauptplatte

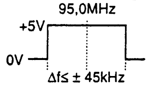
Meßgeräte: DC-Voltmeter, Meßsender, NF-Voltmeter, Stereocoder, Wobbler, Oszilloskop

Aufruf des ´extended Expert Modus´:

Gerät ausschalten. Stationstaste 2 drücken, gedrückt halten und Gerät einschalten. Stationstaste 2 länger als 10 Sekunden gedrückt halten. TAPE/CD-Taste drücken und ca. 5 Sekunden gedrückt halten bis im Display die Anzeige SE-xx-ME (xx = Softwareversion) erscheint.Taste TP/AS drücken und ca 5 Sekunden gedrückt halten bis zum zweiten Signalton. Mit den Tasten < bzw. > den entsprechenden Parametersatz anwählen (Anzeige z.B. 00 1400). Taste TP/AS kurz drücken (zusätzliches E im Display: E 00 1400). Mit den Tasten < bzw. > den Wert ändern. Taste TP/AS kurz drücken (E erlischt wieder).

Sollte versehentlich ein anderer Parameter geändert werden, können Sie dessen korrekten Wert aus der Parametertabelle auf der Seite 9 entnehmen.

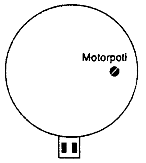
Beenden des ´extended Expert Modus´:
Gerät ausschalten.

Abgleich	Vorbereitung	Abgleichvorgang
1. MW-Oszillator	MW; **DC-Voltmeter** an **FMP705**.	Mit **L606A** bei **531kHz** auf **1,0V ± 50mV** abgleichen. Kontrolle auf **7,0V ± 0,5V** bei **1602kHz**.
2. LW-Oszillator	LW; **DC-Voltmeter** an **FMP705**.	Mit **L607AL** bei **153kHz** auf **1,3V ± 50mV** abgleichen. Kontrolle auf **5,0V ± 0,5V** bei **279kHz**.
3. AM-ZF	Meßsender an Antenneneingang; Frequenz **1548kHz**; ohne Modulation; E´ = 100μV (40dBμV). **DC-Voltmeter an FMP602.**	Mit **L604A** auf **maximale Spannung** abgleichen.
4. MW-Vorkreis	Meßsender an Antenneneingang; ohne Modulation; E´ = 100μV (40dBμV). **DC-Voltmeter an FMP602.**	Wechselweise mit **C608A** bei **1548kHz** und mit **L601A** bei **558kHz** auf **maximale Spannung** abgleichen.
5. LW-Vorkreis	Meßsender an Antenneneingang; ohne Modulation; E´ = 100μV (40dBμV). **DC-Voltmeter an FMP602.**	Mit **L602AL** bei **162kHz** auf **maximale Spannung** abgleichen.
6. AM-Suchlaufstop	Meßsender an Antenneneingang; Frequenz **1008kHz**; ohne Modulation. **Extended Expert Modus** aktivieren (s. o.). Signal mit **E´ = 250μV (48dBμV)** anlegen. DX deaktivieren.	Parameterwert 01 solange ändern bis Suchlauf gerade stoppt.
	Signal mit **E´ = 20μV (26dBμV)** anlegen. DX aktivieren.	Parameterwert 00 solange ändern bis Suchlauf gerade stoppt.
7. FM-Oszillator	FM; **DC-Voltmeter** an **FMP705**.	Mit **L06** bei **87,5MHz** auf **1,6V ± 50mV** abgleichen. Kontrolle auf **6,5V ± 0,5V** bei **108MHz**.
8. FM-HF- und ZF-Kreise	Meßsender an Antenneneingang; Frequenz **95,0MHz**; ohne Modulation; E´ = 100μV (40dBμV). **DC-Voltmeter** zwischen **FMP101 (+)** und **FMP103 (-)**.	Wechselweise mit **L03** und **L04** auf **Maximum** abgleichen.
		Mit **L05** auf **Maximum** abgleichen.
9. ZF-Mittenfrequenz	Meßsender an Antenneneingang; Frequenz **98,0MHz**; f_{mod} = 1kHz; Hub = 22,5kHz;E´ = 1mV (60dBμV). **NF-Voltmeter an FMP101**. **Extended Expert Modus** aktivieren (s. o.). Parametersatz 48 anwählen.	Durch Ändern des Wertes auf **minimale Anzeige** (≤ 10mV) am **NF-Voltmeter** einstellen.
10. Stop-Generator	Wobbler an Antenneneingang; Mittenfrequenz **95,0MHz**; Δf = ± 100kHz; ohne Modulation; E´ = 100μV (40dBμV). **Oszilloskop** an **FMP104.**	Mit **L 101** auf symmetrischen Spannungssprung einstellen. 
11. Feldstärke	Meßsender an Antenneneingang; Frequenz **95,0MHz**; ohne Modulation; E´ = 70μV (37dBμV). **DC-Voltmeter** zwischen **FMP101 (+)** und **FMP103 (-)**.	Mit **CR26** auf **+300mV ± 10mV** einstellen.

Abgleich	Vorbereitung	Abgleichvorgang
12. Stereo-Übersprechen	Meßsender mit Stereo-Coder an Antenneneingang; Frequenz **94,8MHz**; f_{mod} 1kHz mit 22,5kHz Hub; Pilotton 19kHz mit 7,5kHz Hub; RDS 57kHz mit 1,2kHz Hub; E´ = 1mV (60dBμV). Nur **linken Kanal** modulieren. **NF-Voltmeter** an **Lautsprecher-Ausgänge**. **Extended Expert Modus** aktivieren (s. o.). Parametersatz 53 anwählen.	Durch Ändern des Wertes auf **minimale Anzeige** am **NF-Voltmeter im rechten Kanal** einstellen.
13. FM-Suchlaufstop	Meßsender an Antenneneingang; Frequenz **95,0MHz**; ohne Modulation. **Extended Expert Modus** aktivieren (s. o.). Signal mit **E´ = 80μV (38dBμV)** anlegen. DX deaktivieren.	Parameterwert 03 solange ändern bis Suchlauf gerade stoppt.
	Signal mit **E´ = 8μV (18dBμV)** anlegen. DX aktivieren.	Parameterwert 02 solange ändern bis Suchlauf gerade stoppt.
14. Übertemperaturabschaltung	In ´kaltem´ Zustand die Spannung $U_{meß}$ an **FMP1609** messen. Parameterwert berechnen: W = ($U_{meß}$ - 340mV) / 19,6mV. z.B.: $U_{meß}$ = 1,20V. W = (1200mV - 340mV) / 19,6mV. W = 860mV / 19,6mV = 43,8 = 44.	Parameter 65 auf errechneten Wert ändern. Z.B.: E 65 44

2. Cassettenlaufwerk

Meßgeräte: Frequenzzähler, Test-Cassette 448A (Material Nr. 35079 023 0000)

Abgleich	Vorbereitung	Abgleichvorgang
Bandgeschwindigkeit	Test-Cassette 448A einlegen und 3150Hz-Teil abspielen. **Frequenzzähler an Lautsprecher-Ausgang.**	Mit Motorpoti auf 3150Hz ± 100Hz einstellen. 

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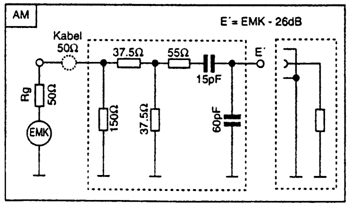
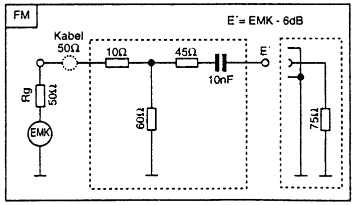
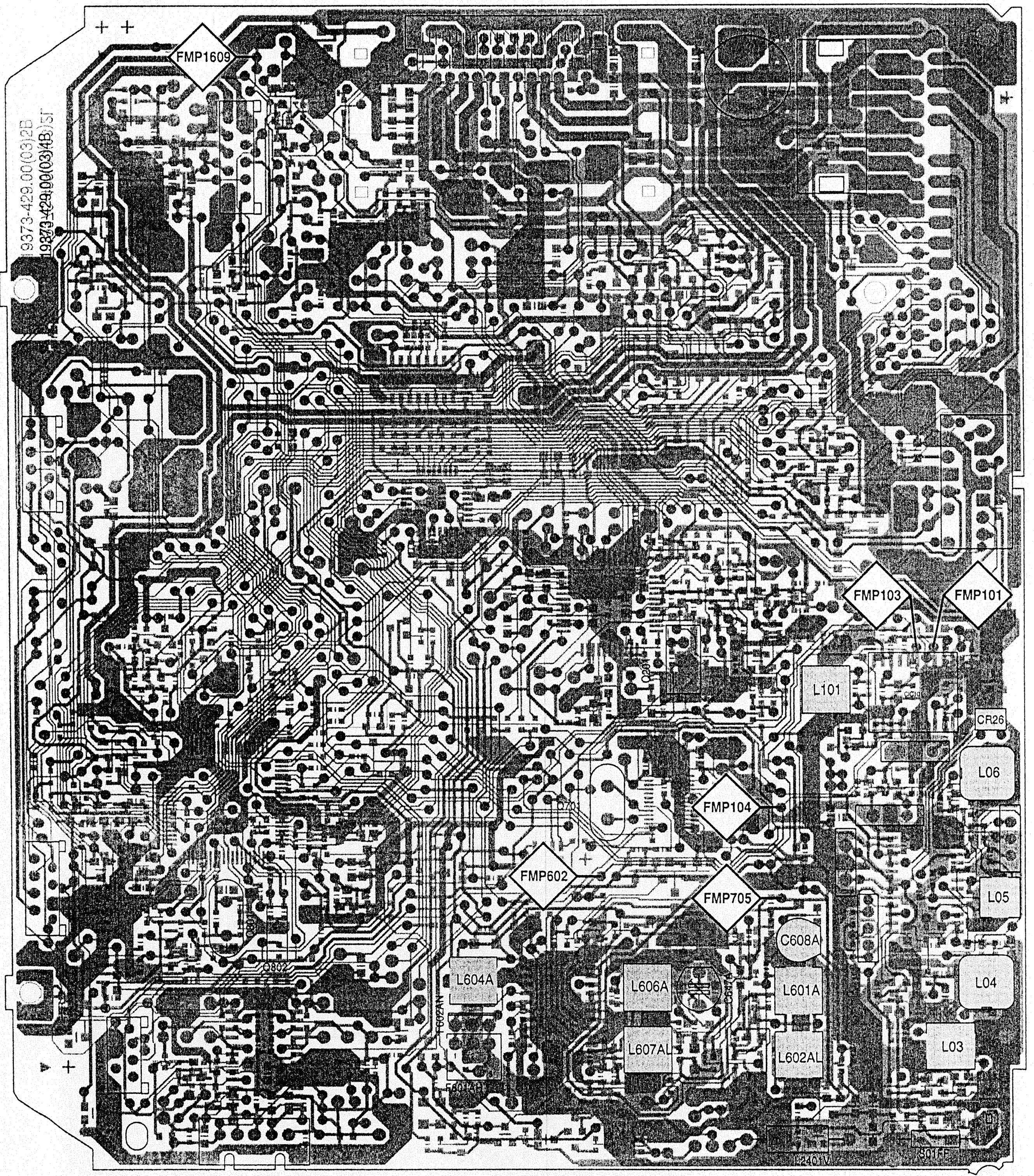
NR = Noise Reduction (Rauschunterdrückung).

Zum Abgleich die Antennennachbildungen für AM bzw. FM verwenden





Abgleichlageplan / Alignment Layout


FMP1609
19373-429.00(03)2B
FMP103
FMP101
L101
CR26
L06
FMP104
FMP602
FMP705
L05
C608A
L604A
L606A
L601A
L04
L607AL
L602AL
L03

(GB) Adjustment Procedures

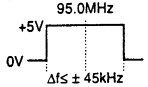
1. Main Board

Test equipment: *DC Voltmeter, Test Generator, AF Voltmeter, Stereo Coder, Sweep Generator, Oscilloscope*

Calling up the ´extended Expert Mode´:
Switch off the set. Press and hold depressed station button 2 and switch on the set. Hold the station button 2 depressed for more than 10 seconds. Press and hold depressed the TAPE/CD button for about 5 seconds until the display shows SE-XX-MC (XX = Version of software). Press button TP/AS for more than 5 seconds until after the second sound. With the buttons < resp. > select the corresponding parameter set (display shows e.g. 00 1400). Press button TP/AS briefly (additional E in the display: E 00 1400). With the buttons < resp. > change the value. Press button TP/AS briefly (E goes out).

If you changed an other parameter by mistake you can find its correct value in the parameter table on page 9.

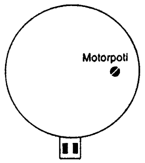
Leaving the ´extended Expert Mode´:
Switch off the set.

Adjustment	Preparation	Adjustment Procedure
1. MW Oscillator	MW; Connect a **DC Voltmeter** to **FMP705**.	Align with **L606A** at **531kHz** for **1.0V ± 50mV**. Check for **7.0V ± 0.5V** at **1602kHz**.
2. LW Oscillator	LW; Connect a **DC Voltmeter** to **FMP705**.	Align with **L607AL** at **153kHz** for **1.3V ± 50mV**. Check for **5.0V ± 0.5V** at **279kHz**.
3. AM IF	Connect a Test Generator to aerial input; Frequency **1548kHz**; no modulation; E´ = 100µV (40dBµV). Connect a **DC Voltmeter** to **FMP602**.	Align with **L604A** for **maximum voltage**.
4. MW Bandpass	Connect a Test Generator to aerial input; no modulation; E´ = 100µV (40dBµV). Connect a **DC Voltmeter** to **FMP602**.	Align alternating with **C608A** at **1548kHz** and with **L601A** at **558kHz** for **maximum voltage**.
5. LW Bandpass	Connect a Test Generator to aerial input; no modulation; E´ = 100µV (40dBµV). Connect a **DC Voltmeter** to **FMP602**.	Align with **L602AL** at **162kHz** for **maximum voltage**.
6. AM search level stop	Connect a Test Generator to aerial input; Frequency **1008kHz**; no modulation; Call up the **extended expert mode** (see above). Apply a signal with **E´ = 250µV (48dBµV)**. Set DX to OFF.	Change Parameter value 01 until search just stops.
	Apply a signal with **E´ = 20µV (26dBµV)**. Set DX to ON.	Change Parameter value 00 until search just stops.
7. FM Oscillator	FM; Connect a **DC Voltmeter** to **FMP705**.	Align with **L06** at **87.5MHz** for **1.6V ± 50mV**. Check for **6.5V ± 0.5V** at **108MHz**.
8. FM RF and IF	Connect a Test Generator to aerial input; **Frequency 95.0MHz**; no modulation; E´ = 100µV (40dBµV). Connect a **DC Voltmeter** between **FMP101 (+)** and **FMP103 (-)**.	Align alternating with **L03** and **L04** for **maximum**. Align with **L05** for **maximum**.
9. IF Center frequency	Connect a Test Generator to aerial input; **Frequency 98.0MHz**; f_{mod} = 1kHz; Hub = 22.5kHz; E´ = 1mV (60dBµV). Connect an **AF Voltmeter** to **FMP101**. Call up the **extended expert mode** (see above). Select parameter 48.	Set the parameter value for **minimum AF voltage**.
10. Stop Generator	Connect a sweep generator to aerial input. **Center frequency 95.0MHz**; Δf = ± 100kHz; no modulation; E´ = 100µV (40dBµV); Connect an **Oscilloscope** to **FMP104**.	Align **L 101** for a symmetrical stop impulse. 
11. Field strength	Connect a Test Generator to aerial input; **Frequency** 95.0MHz; no modulation; E´ = 70µV (37dBµV). Connect a **DC Voltmeter** between **FMP101 (+)** and **FMP103 (-)**.	Adjust with **CR26** for **+300mV ± 10mV**.

Adjustment	Preparation	Adjustment Procedure
12. Stereo Crosstalk	Connect a Test Generator via a Stereo Coder to aerial input; Frequency **95.0MHz**; f_{mod} 1kHz at 22.5kHz dev.; Pilot 19kHz at 7.5kHz dev.; RDS 57kHz at 1.2kHz dev.; E´ = 1mV (60dBµV); modulate only the **left channel**. Connect an **AF Voltmeter** to **loudspeaker outputs**. Call up the **extended expert mode** (see above). Select parameter 53.	Set the parameter value for **minimum AF voltage on the right channel**.
13. FM search level stop	Connect a Test Generator to aerial input; Frequency **95.1MHz**; no modulation; Call up the **extended expert mode** (see above). Apply a signal with **E´ = 80µV (38dBµV)**. Set DX to OFF.	Change Parameter value 03 until search just stops.
	Apply a signal with **E´ = 8µV (18dBµV)**. Set DX to ON.	Change Parameter value 02 until search just stops.
14. Power Amplifier Over Temperature	In ´cold´ condition measure the voltage U_m at **FMP1609**. Calculate the parameter value: W = (U_m - 340mV) / 16.9mV. e.g.: U_m = 1.20V. W = (1200mV - 340mV) / 16.9mV. W = 860mV / 16.9mV = 43.8 = 44.	Change Parameter 65 to the calculated value. e.g.: E 65 44.

2. Tape Drive

Test equipment: Frequency counter, Test Cassette 448A (Part No. 35079 023 0000)

Adjustment	Preparation	Adjustment Procedure
Tape Speed	Insert Test Cassette 448A and play 3150Hz part. Connect a **frequency counter** to **loudspeaker outputs**.	With the ´Motorpoti´ adjust for 3150Hz ± 100Hz. 

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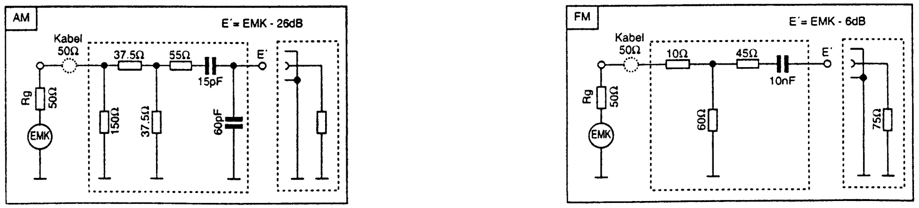
NR = Noise Reduction.

For adjustment use the aerial dummies for AM resp. FM

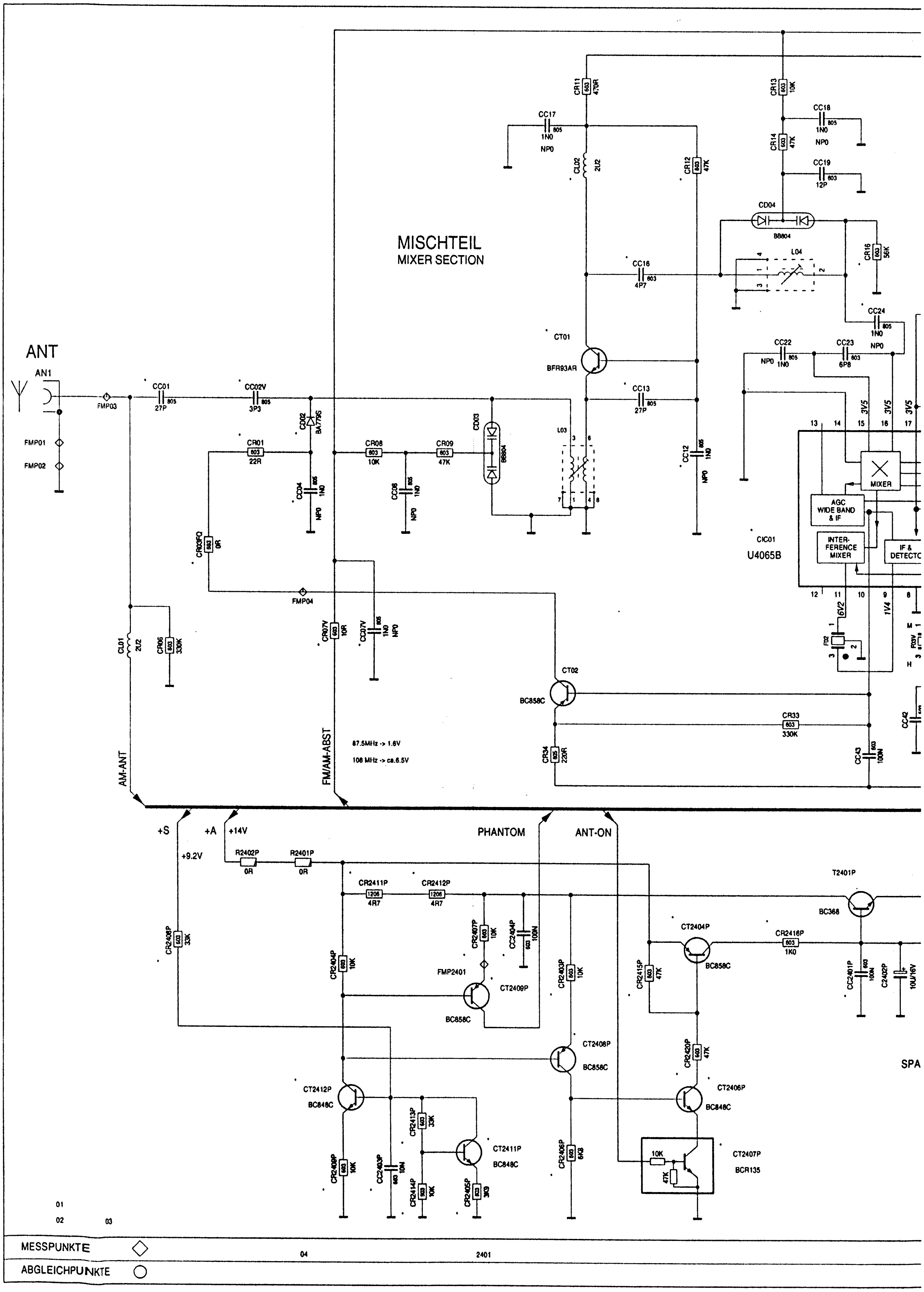


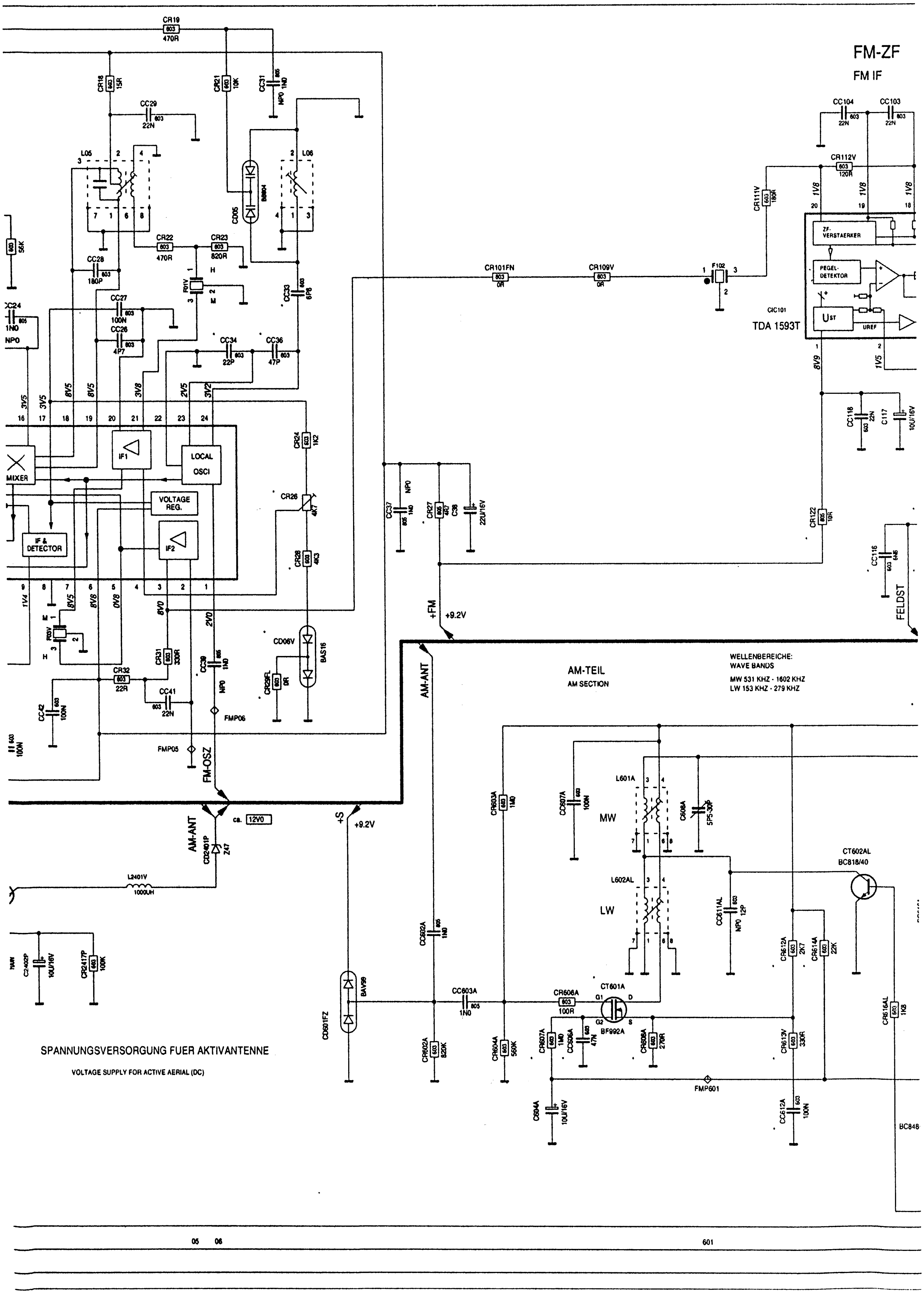
Parametertabelle / Set of Parameters

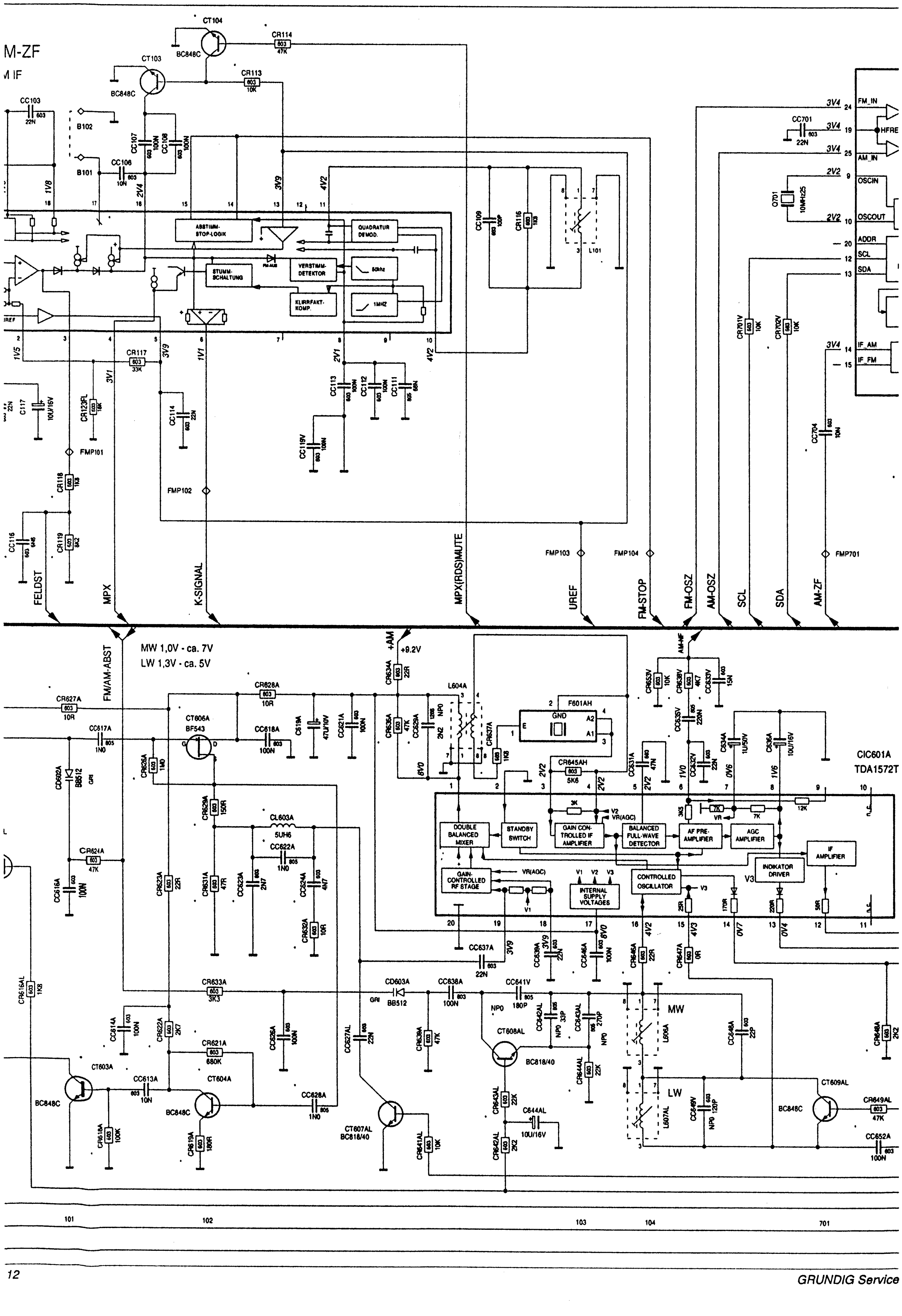
Parameter	Wert Value	Beschreibung Description
0		AM level DX
1		AM level LOCAL
2		FM level DX
3		FM level LOCAL
4	3840	
5	2920	
6	2580	
7	1800	
8	2600	
9	380	
10	480	
11	3360	
12	2980	
13	2600	
14	2200	
15	2200	
16	2580	
17	3	
18	10	
19	25	
20	60	
21	60	
22	2	
23	10	
24	255	
25	255	
26	20	
27	50	
28	80	
29	2	
30	75	
31	180	
32	0	
33	1	
34	2	
35	15	
36	5	
37	80	
38	248	
39	21	
40	231	
41	239	
42	133	
43	112	
44	34	
45	126	
46	133	
47	98	
48		ZF-Mitteneinstellung / IF center
49	6	
50	4	
51	3	
52	7	
53		Übersprechen / Stereo Crosstalk
54	46	
55	0	
56	170	
57	18	
58	15	
59	3	
60	1	
61	9	
62	8	
63	7	
64	0	
65		Endstufentemperatur / Amplifier Temp.
66	254	

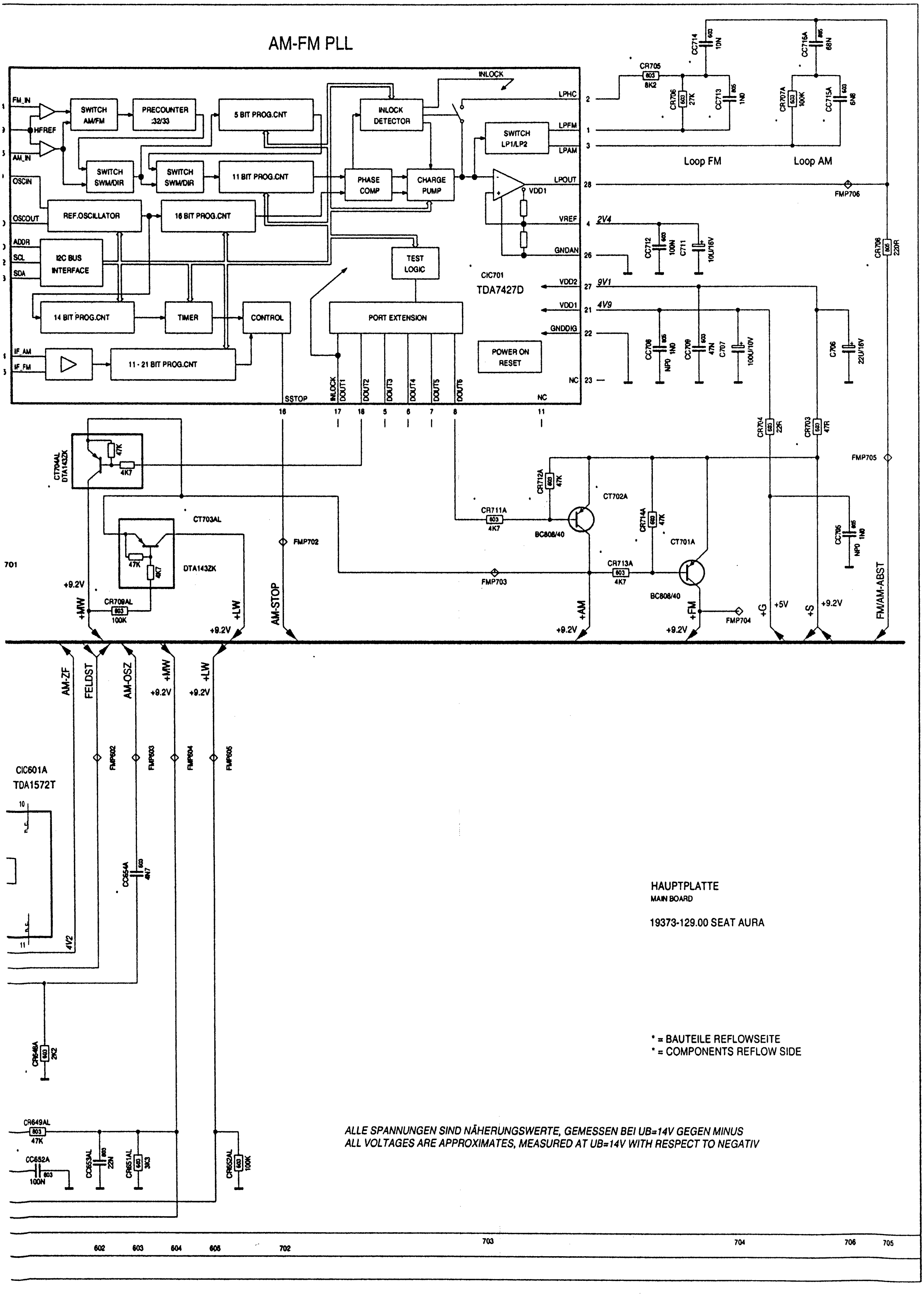
Schaltpläne und Druckplattenabbildungen / Circuit Diagrams and Layout of PCBs

HF-Teil / RF Part


MISCHTEIL
MIXER SECTION
ANT
AN1
FMP01
FMP02
FMP03
FMP04
CC01 27P
CC02V 3P3
CD02 BA79S
CR01 22R
CD04 1N0 NP0
CR03FQ 0R
CR08 10K
CR09 47K
CC08 1N0 NP0
CD03 BB804
CR07V 10R
CC07V 1N0 NP0
CL01 2U2
CR06 330K
CR11 470R
CC17 1N0 NP0
CL02 2U2
CR12 47K
CT01 BFR93AR
CC13 27P
CC12 1N0 NP0
L03
CC16 4P7
L04
CD04 BB804
CR13 10K
CR14 47K
CC18 1N0 NP0
CC19 12P
CR16 56K
CC24 1N0 NP0
CC22 1N0 NP0
CC23 6P8
CIC01 U4065B
MIXER
AGC WIDE BAND & IF
INTER-FERENCE MIXER
IF & DETECTC
3V5
6V2
1V4
F02
CT02 BC858C
CR33 330K
CR34 220R
CC43 100N
CC42
87.5MHz -> 1.6V
108 MHz -> ca.6.5V
AM-ANT
FM/AM-ABST
+S
+A
+14V
+9.2V
PHANTOM
ANT-ON
R2402P 0R
R2401P 0R
CR2411P 4R7
CR2412P 4R7
CR2407P 10K
CC2404P 100N
FMP2401
CT2409P BC858C
CR2408P 33K
CR2404P 10K
CR2403P 10K
CT2408P BC858C
CT2412P BC848C
CR2409P 10K
CC2403P 10N
CR2413P 33K
CR2414P 10K
CT2411P BC848C
CR2405P 3K3
CR2406P 6K8
CT2404P BC858C
CR2415P 47K
CR2416P 1K0
CR2420P 47K
CT2406P BC848C
CT2407P BCR135
10K
47K
T2401P BC368
CC2401P 100N
C2402P 10U/16V
SPA
01
02
03
04
2401
MESSPUNKTE ◇
ABGLEICHPUNKTE ○


FM-ZF
FM IF
AM-TEIL
AM SECTION
WELLENBEREICHE:
WAVE BANDS
MW 531 KHZ - 1602 KHZ
LW 153 KHZ - 279 KHZ
SPANNUNGSVERSORGUNG FUER AKTIVANTENNE
VOLTAGE SUPPLY FOR ACTIVE AERIAL (DC)
CR19 470R
CR18 15R
CR21 10K
CC31 1N0 NP0
CC29 22N
L05
L06
CD05 BB804
CR22 470R
CR23 820R
CC28 180P
F01V
CC33 6P8
CC27 100N
CC26 4P7
CC34 22P
CC36 47P
CC24 1N0 NP0
56K
MIXER
IF1
LOCAL OSCI
VOLTAGE REG.
IF & DETECTOR
IF2
3V5
8V5
3V8
2V5
3V2
1V4
8V5
8V8
0V8
8V0
2V0
CR24 1K2
CR26 4K7
CR28 4K3
CD06V BAS16
CR29FL 0R
CR31 330R
CC39 1N0 NP0
CR32 22R
CC41 22N
CC42 100N
FMP06
FMP05
FM-OSZ
AM-ANT
ca. 12V0
CD2401P Z47
L2401V 1000UH
C2402P 10U/16V
CR2417P 100K
+S
+9.2V
CC37 1N0 NP0
CR27 4K7
C38 22U/16V
+FM
+9.2V
CR101FN 0R
CR109V 0R
F102
CR111V 180R
CC104 22N
CC103 22N
CR112V 120R
1V8
ZF-VERSTAERKER
PEGEL-DETEKTOR
UST
UREF
CIC101
TDA 1593T
8V9
1V5
CC118 22N
C117 10U/16V
CR122 10R
CC116 6N8
FELDST
CC602A 1N0
CD601FZ BAV99
CC603A 1N0
CR602A 820K
CR603A 1M0
CR604A 560K
CC607A 100N
L601A
MW
C606A 5P5-30P
L602AL
LW
CC611AL 12P NP0
CR606A 100R
CT601A BF992A
CR607A 1M0
CC606A 47N
CR608A 270R
C604A 10U/16V
FMP601
CT602AL BC818/40
CR612A 2K7
CR614A 22K
CR613V 330R
CC612A 100N
CR616AL 1K8
BC848
05
06
601


M-ZF
M IF
CT104
BC848C
CR114
47K
CT103
BC848C
CR113
10K
CC103
22N
B102
B101
CC106
10N
CC107
100N
CC108
100N
1V8
2V4
3V9
4V2
ABSTIMM-STOP-LOGIK
QUADRATUR DEMOD.
STUMM-SCHALTUNG
VERSTIMM-DETEKTOR
KLIRRFAKT-KOMP.
50khz
1MHZ
UREF
CC109
100P
CR116
1K8
L101
1V5
CR117
33K
3V1
3V9
1V1
2V1
4V2
CC113
100N
CC112
100N
CC111
68N
CC117
10U/16V
CR123FL
18K
CC114
22N
CC119V
100N
FMP101
CR118
1K8
FMP102
CC116
CR119
8K2
FMP103
FMP104
FMP701
FELDST
MPX
K-SIGNAL
MPX(RDS)MUTE
UREF
FM-STOP
FM-OSZ
AM-OSZ
SCL
SDA
AM-ZF
3V4
FM_IN
HFRE
AM_IN
CC701
22N
2V2
OSCIN
OSCOUT
Q701
10MHz25
ADDR
SCL
SDA
CR701V
10K
CR702V
10K
IF_AM
IF_FM
CC704
10N
FM/AM-ABST
MW 1,0V - ca. 7V
LW 1,3V - ca. 5V
+AM
+9.2V
AM-NF
CR627A
10R
CR628A
10R
CT606A
BF543
CC617A
1N0
CC618A
100N
C619A
47U/10V
CC621A
100N
CR634A
22R
CR635A
47K
CC629A
2N2
NP0
L604A
CR637A
1K8
F601AH
GND
A2
A1
E
CR645AH
5K6
CR653V
10K
CR636V
4K7
CC633V
15N
CC635V
220N
CC631A
47N
CC632V
22N
CC634A
1U/50V
CC636A
10U/16V
CIC601A
TDA1572T
CD602A
BB512
CR626A
1M0
CR629A
150R
CL603A
5UH6
CC622A
1N0
CR624A
47K
CC616A
100N
CR623A
22R
CR631A
47R
CC623A
2N7
CC624A
4N7
CR632A
10R
DOUBLE BALANCED MIXER
STANDBY SWITCH
GAIN CONTROLLED IF AMPLIFIER
BALANCED FULL-WAVE DETECTOR
AF PRE-AMPLIFIER
AGC AMPLIFIER
IF AMPLIFIER
INDIKATOR DRIVER
GAIN-CONTROLLED RF STAGE
INTERNAL SUPPLY VOLTAGES
CONTROLLED OSCILLATOR
VR(AGC)
V1
V2
V3
3K
7K
12K
3K5
25R
170R
220R
56R
6V0
2V2
1V0
0V6
1V6
0V7
0V4
4V3
CC637A
22N
CC639A
22N
CC646A
100N
CR646A
22R
CR647A
0R
CR633A
3K3
CD603A
BB512
CC638A
100N
CC641V
180P
CC642AL
33P
CC643AL
270P
MW
L606A
LW
L607AL
CC648A
22P
CR648A
2K2
CR616AL
1K5
CC614A
100N
CR622A
2K7
CR621A
680K
CC625A
100N
CC627AL
22N
CR639A
47K
CT608AL
BC818/40
CR644AL
22K
CC649V
120P
CT609AL
BC848C
CR649AL
47K
CC652A
100N
CT603A
BC848C
CC613A
10N
CT604A
BC848C
CC628A
1N0
CT607AL
BC818/40
CR643AL
22K
CC644AL
10U/16V
CR618A
100K
CR619A
180R
CR641AL
10K
CR642AL
2K2
101
102
103
104
701


AM-FM PLL
FM_IN
HFREF
AM_IN
OSCIN
OSCOUT
ADDR
SCL
SDA
IF_AM
IF_FM
SWITCH AM/FM
PRECOUNTER :32/33
5 BIT PROG.CNT
INLOCK DETECTOR
INLOCK
SWITCH SWM/DIR
11 BIT PROG.CNT
PHASE COMP
CHARGE PUMP
SWITCH LP1/LP2
REF.OSCILLATOR
16 BIT PROG.CNT
I2C BUS INTERFACE
TEST LOGIC
14 BIT PROG.CNT
TIMER
CONTROL
PORT EXTENSION
11 - 21 BIT PROG.CNT
POWER ON RESET
LPHC
LPFM
LPAM
LPOUT
VDD1
VREF
GNDAN
VDD2
GNDDIG
NC
SSTOP
DOUT1
DOUT2
DOUT3
DOUT4
DOUT5
DOUT6
CIC701
TDA7427D
2V4
9V1
4V9
CR705 8K2
CC714 10N
CR706 27K
CC713 1N0
CC716A 68N
CR707A 100K
CC715A 6N8
Loop FM
Loop AM
FMP706
CC712 100N
C711 10U/16V
CR708 220R
CC708 1N0
CC709 47N
C707 100U/10V
C706 22U/16V
CR704 22R
CR703 47R
FMP705
CT704AL DTA143ZK
47K
4K7
CT703AL
DTA143ZK
CR712A 47K
CT702A
CR711A 4K7
BC808/40
CR714A 47K
CT701A
CR713A 4K7
FMP702
FMP703
FMP704
CC705 1N0
CR709AL 100K
701
+9.2V
+MW
+LW
AM-STOP
+AM
+FM
+G
+5V
+S
FM/AM-ABST
AM-ZF
FELDST
AM-OSZ
FMP602
FMP603
FMP604
FMP605
CIC601A
TDA1572T
4V2
CC654A 4N7
CR648A 2K2
CR649AL 47K
CC652A 100N
CC653AL 22N
CR651AL 3K3
CR652AL 100K
602
603
604
605
702
703
704
706
705

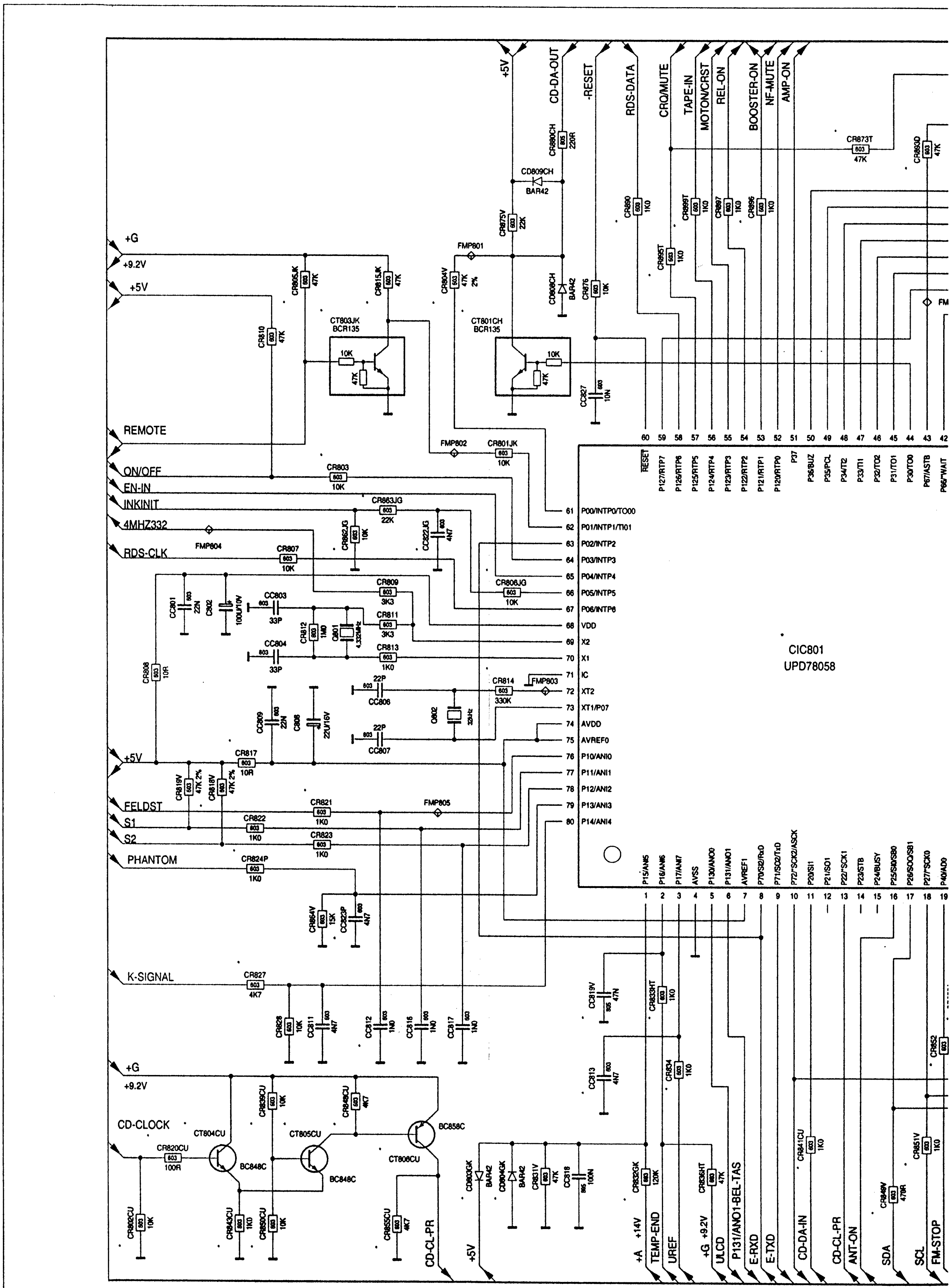
HAUPTPLATTE
MAIN BOARD

19373-129.00 SEAT AURA

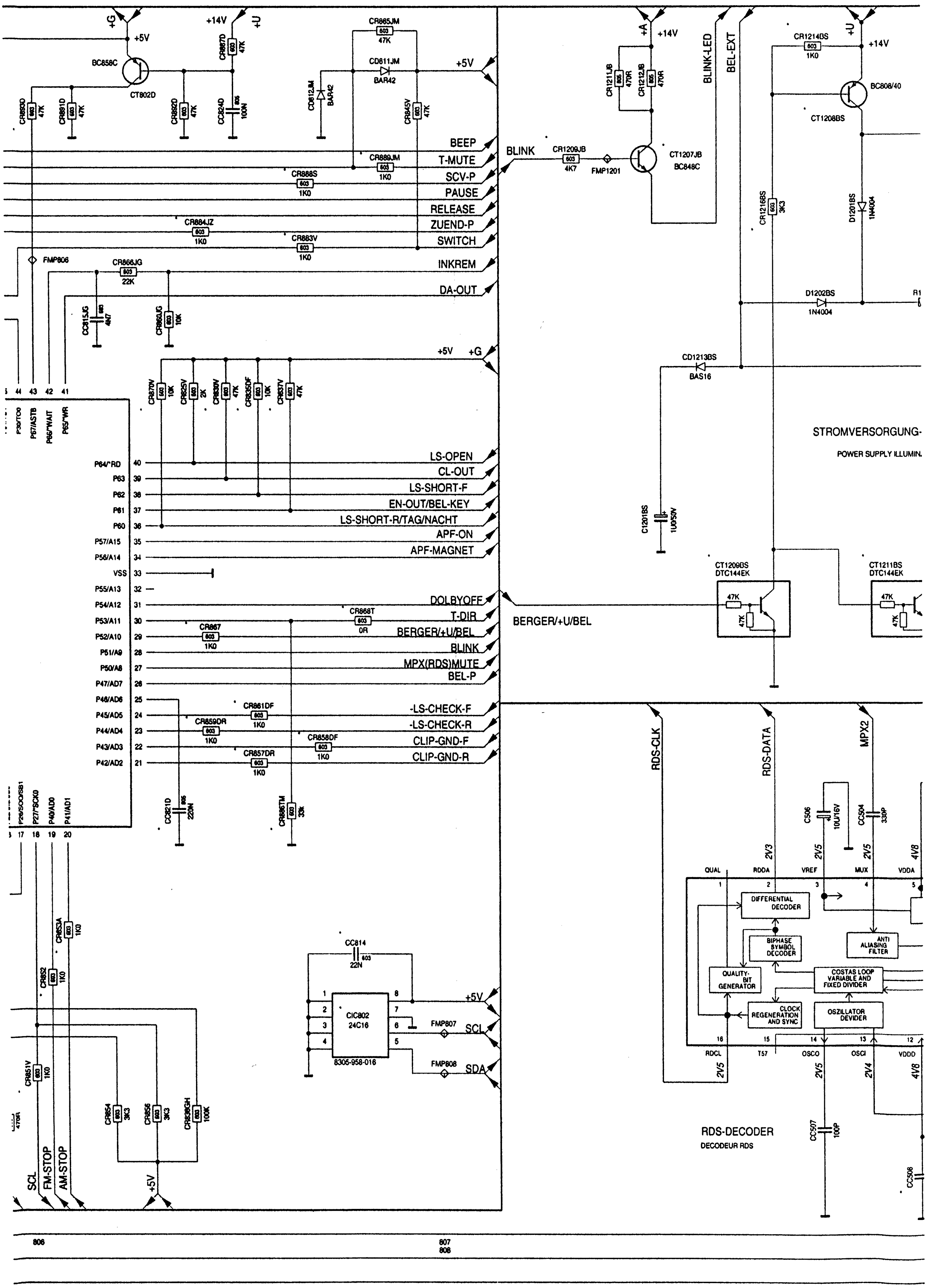
* = BAUTEILE REFLOWSEITE
* = COMPONENTS REFLOW SIDE

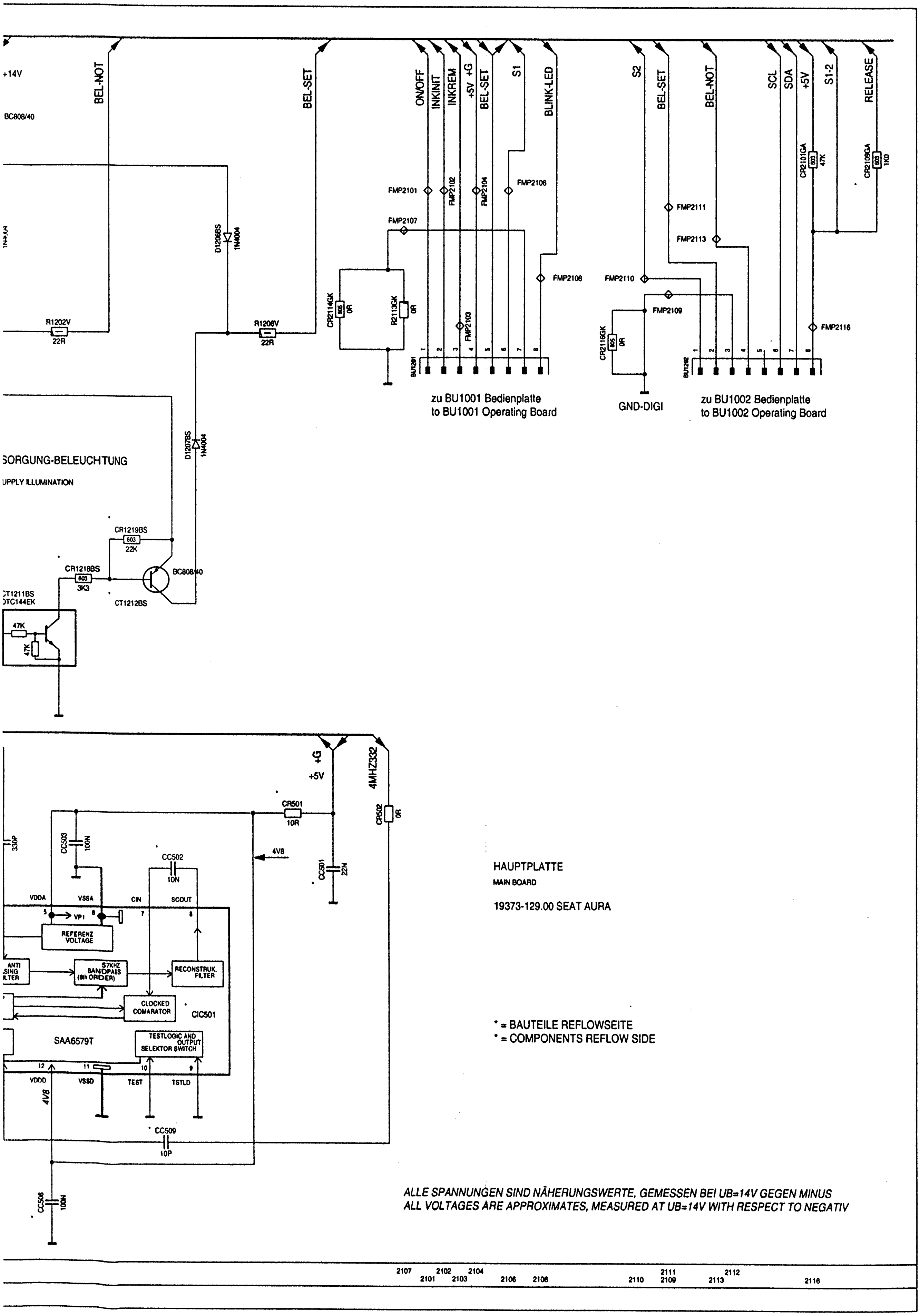
ALLE SPANNUNGEN SIND NÄHERUNGSWERTE, GEMESSEN BEI UB=14V GEGEN MINUS
ALL VOLTAGES ARE APPROXIMATES, MEASURED AT UB=14V WITH RESPECT TO NEGATIV

Prozessor-Teil / Processor Part


+5V
CD-DA-OUT
-RESET
RDS-DATA
CRO/MUTE
TAPE-IN
MOTON/CRST
REL-ON
BOOSTER-ON
NF-MUTE
AMP-ON
CR880CH 220R
CD809CH BAR42
CR873T 47K
CR853D 47K
CR890 1K0
CR899T 1K0
CR897 1K0
CR896 1K0
CR895T 1K0
CR875V 22K
FMP801
CR804V 47K 2%
CD808CH BAR42
CR876 10K
CT801CH BCR135
CT803JK BCR135
CR805JK 47K
CR815JK 47K
CR810 47K
CC827 10N
+G
+9.2V
+5V
REMOTE
ON/OFF
EN-IN
INKINIT
4MHZ332
RDS-CLK
FMP802
FMP804
CR801JK 10K
CR803 10K
CR863JG 22K
CR862JG 10K
CC822JG 4N7
CR807 10K
CR809 3K3
CR811 3K3
CR813 1K0
CR806JG 10K
CC801 22N
C802 100U/10V
CC803 33P
CC804 33P
CR812 1M0
Q801 4.332MHz
CR808 10R
CC806 22P
CC807 22P
Q802 32kHz
CR814 330K
FMP803
CC809 22N
C808 22U/16V
CR817 10R
CR819V 47K 2%
CR818V 47K 2%
FELDST
S1
S2
PHANTOM
CR821 1K0
CR822 1K0
CR823 1K0
CR824P 1K0
FMP805
CR864V 15K
CC823P 4N7
K-SIGNAL
CR827 4K7
CR828 10K
CC811 4N7
CC812 1N0
CC816 1N0
CC817 1N0
CC819V 47N
CR833HT 1K0
CC813 4N7
CR834 1K0
CIC801
UPD78058
61 P00/INTP0/TO00
62 P01/INTP1/TI01
63 P02/INTP2
64 P03/INTP3
65 P04/INTP4
66 P05/INTP5
67 P06/INTP6
68 VDD
69 X2
70 X1
71 IC
72 XT2
73 XT1/P07
74 AVDD
75 AVREF0
76 P10/ANI0
77 P11/ANI1
78 P12/ANI2
79 P13/ANI3
80 P14/ANI4
60 RESET
59 P127/RTP7
58 P126/RTP6
57 P125/RTP5
56 P124/RTP4
55 P123/RTP3
54 P122/RTP2
53 P121/RTP1
52 P120/RTP0
51 P37
50 P36/BUZ
49 P35/PCL
48 P34/TI2
47 P33/TI1
46 P32/TO2
45 P31/TO1
44 P30/TO0
43 P67/ASTB
42 P66/WAIT
1 P15/ANI5
2 P16/ANI6
3 P17/ANI7
4 AVSS
5 P130/ANO0
6 P131/ANO1
7 AVREF1
8 P70/SI2/RxD
9 P71/SO2/TxD
10 P72/SCK2/ASCK
11 P20/SI1
12 P21/SO1
13 P22/SCK1
14 P23/STB
15 P24/BUSY
16 P25/SI0/SB0
17 P26/SO0/SB1
18 P27/SCK0
19 P40/AD0
FM
+G
+9.2V
CD-CLOCK
CT804CU BC848C
CT805CU BC848C
CT806CU BC858C
CR820CU 100R
CR839CU 10K
CR848CU 4K7
CR802CU 10K
CR843CU 1K0
CR850CU 10K
CR855CU 4K7
CD803GK BAR42
CD804GK BAR42
CR831V 47K
CC818 100N
CR832GK 120K
CR836HT 47K
CR841CU 1K0
CR849V 470R
CR851V 1K0
CR852
CD-CL-PR
+5V
+A +14V
TEMP-END
UREF
+G +9.2V
ULCD
P131/ANO1-BEL-TAS
E-RXD
E-TXD
CD-DA-IN
CD-CL-PR
ANT-ON
SDA
SCL
FM-STOP

MESSPUNKTE ◇	804	809 805	801 802	803	806
ABGLEICHPUNKTE ○					


+G
+5V
BC858C
CT802D
+14V
+U
CR867D 47K
CC824D 100N
CR893D 47K
CR891D 47K
CR892D 47K
CR865JM 47K
CD811JM BAR42
CD812JM BAR42
CR845V 47K
+5V
BEEP
T-MUTE
SCV-P
PAUSE
RELEASE
ZUEND-P
SWITCH
INKREM
DA-OUT
CR889JM 1K0
CR888S 1K0
CR884JZ 1K0
CR883V 1K0
FMP806
CR866JG 22K
CC815JG 4N7
CR860JG 10K
+5V +G
CR870V 10K
CR825V 2K
CR830V 47K
CR835DF 10K
CR837V 47K
44 43 42 41
P30/TO0
P67/ASTB
P66/*WAIT
P65/*WR
P64/*RD 40
P63 39
P62 38
P61 37
P60 36
P57/A15 35
P56/A14 34
VSS 33
P55/A13 32
P54/A12 31
P53/A11 30
P52/A10 29
P51/A9 28
P50/A8 27
P47/AD7 26
P46/AD6 25
P45/AD5 24
P44/AD4 23
P43/AD3 22
P42/AD2 21
LS-OPEN
CL-OUT
LS-SHORT-F
EN-OUT/BEL-KEY
LS-SHORT-R/TAG/NACHT
APF-ON
APF-MAGNET
DOLBYOFF
T-DIR
BERGER/+U/BEL
BLINK
MPX(RDS)MUTE
BEL-P
-LS-CHECK-F
-LS-CHECK-R
CLIP-GND-F
CLIP-GND-R
CR868T 0R
CR867 1K0
CR861DF 1K0
CR859DR 1K0
CR858DF 1K0
CR857DR 1K0
CC821D 220N
CR886TM 33K
P26/SO0/SB1
P27/SCK0
P40/AD0
P41/AD1
17 18 19 20
CR853A 1K0
CR852 1K0
CR851V 1K0
CR854 3K3
CR856 3K3
CR836CH 100K
SCL
FM-STOP
AM-STOP
+5V
CC814 22N
CIC802 24C16
8305-958-016
+5V
FMP807 SCL
FMP808 SDA
BLINK
CR1209JB 4K7
FMP1201
CT1207JB BC848C
+A
+14V
CR1211JB 470R
CR1212JB 470R
BLINK-LED
BEL-EXT
+U
CR1214BS 1K0
+14V
BC808/40
CT1208BS
CR1216BS 3K3
D1201BS 1N4004
D1202BS 1N4004
R1
CD1213BS BAS16
STROMVERSORGUNG-
POWER SUPPLY ILLUMIN.
C1201BS 1U0/50V
CT1209BS DTC144EK
CT1211BS DTC144EK
47K
47K
BERGER/+U/BEL
RDS-CLK
RDS-DATA
MPX2
C506 10U/16V
CC504 330P
2V3 2V5 2V5 4V8
QUAL RDDA VREF MUX VDDA
1 2 3 4 5
DIFFERENTIAL DECODER
BIPHASE SYMBOL DECODER
ANTI ALIASING FILTER
QUALITY-BIT GENERATOR
COSTAS LOOP VARIABLE AND FIXED DIVIDER
CLOCK REGENERATION AND SYNC
OSZILLATOR DEVIDER
16 15 14 13 12
RDCL T57 OSCO OSCI VDDD
2V5 2V5 2V4 4V8
RDS-DECODER
DECODEUR RDS
CC507 100P
CC508
806
807
808


+14V
BC808/40
BEL-NOT
BEL-SET
ON/OFF
INKINIT
INKREM
+5V +G
BEL-SET
S1
BLINK-LED
S2
BEL-SET
BEL-NOT
SCL
SDA
+5V
S1-2
RELEASE
CR2101GA 603 47K
CR2109GA 603 1K0
FMP2101
FMP2102
FMP2104
FMP2106
FMP2107
FMP2111
FMP2113
FMP2108
FMP2110
FMP2109
FMP2103
FMP2116
D1206BS 1N4004
CR2114GK 805 0R
R2113GK 0R
CR2116GK 805 0R
R1202V 22R
R1206V 22R
BU1201
BU1202
1 2 3 4 5 6 7 8
zu BU1001 Bedienplatte
to BU1001 Operating Board
GND-DIGI
zu BU1002 Bedienplatte
to BU1002 Operating Board
D1207BS 1N4004
ƆORGUNG-BELEUCHTUNG
UPPLY ILLUMINATION
CR1219BS 603 22K
CR1218BS 603 3K3
BC808/40
CT1212BS
CT1211BS
DTC144EK
47K
47K
+G
+5V
4MHZ332
CR501 10R
CR502 0R
CC503 100N
330P
4V8
CC502 10N
CC501 22N
VDDA
VSSA
CIN
SCOUT
VP1
REFERENZ VOLTAGE
ANTI ALIASING FILTER
57KHZ BANDPASS (8th ORDER)
RECONSTRUK. FILTER
CLOCKED COMARATOR
CIC501
SAA6579T
TESTLOGIC AND OUTPUT SELEKTOR SWITCH
VDDD
VSSD
TEST
TSTLD
4V8
CC509 10P
CC508 100N
2107 2102 2104 2101 2103 2106 2108 2110 2111 2109 2112 2113 2116

HAUPTPLATTE
MAIN BOARD

19373-129.00 SEAT AURA

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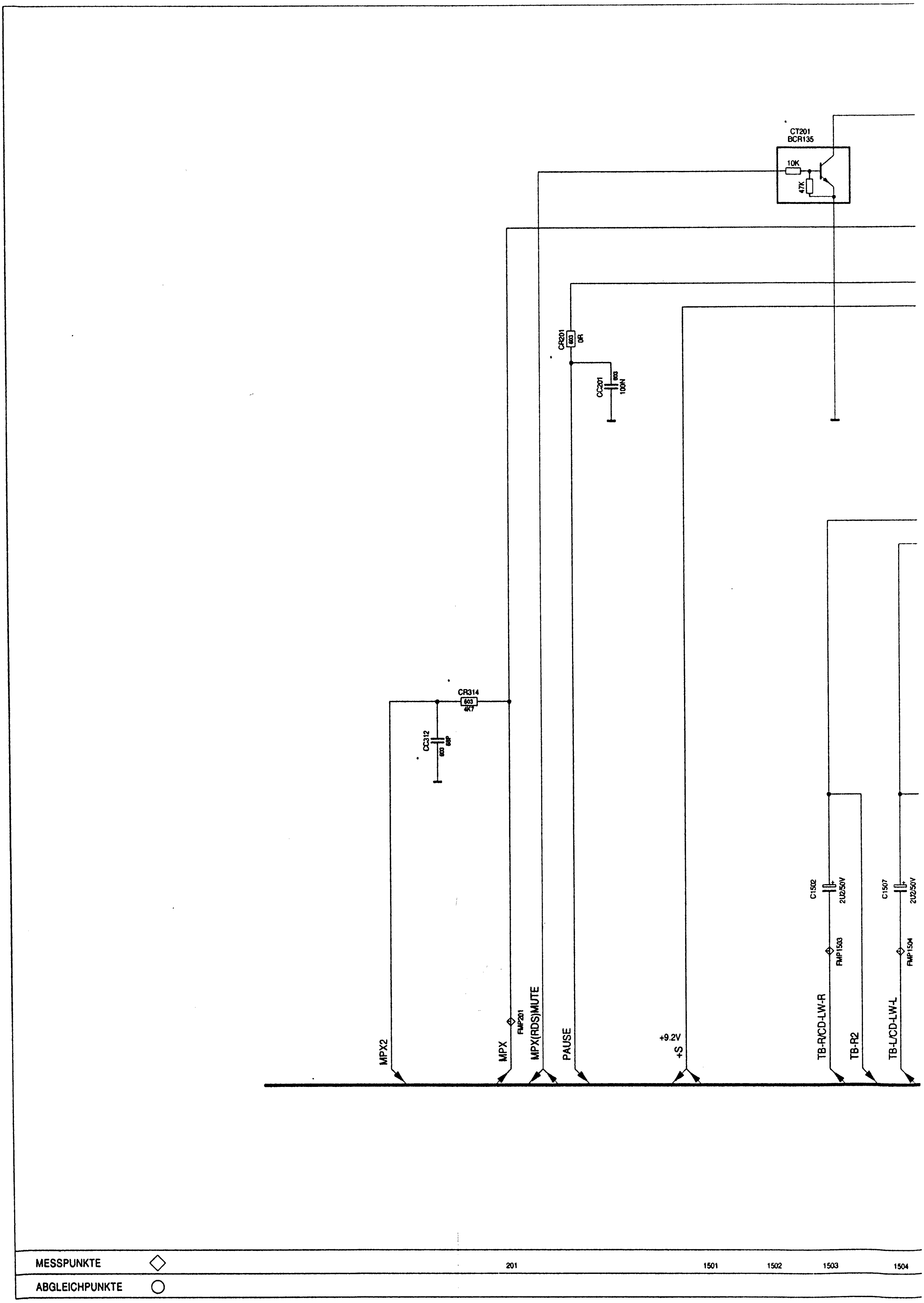
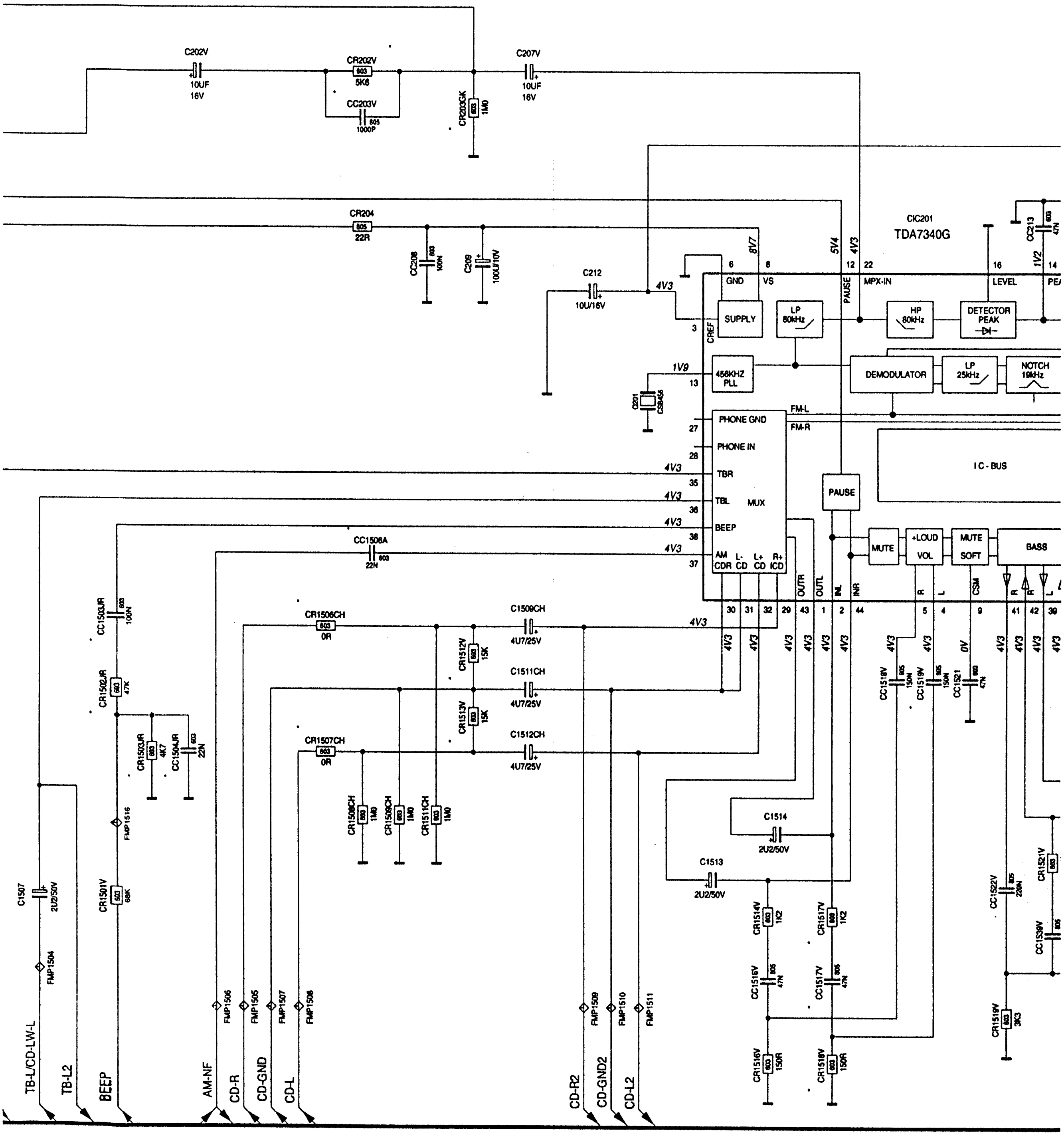
* = COMPONENTS REFLOW SIDE

ALLE SPANNUNGEN SIND NÄHERUNGSWERTE, GEMESSEN BEI UB=14V GEGEN MINUS
ALL VOLTAGES ARE APPROXIMATES, MEASURED AT UB=14V WITH RESPECT TO NEGATIV

Klangsteller / Sound Control

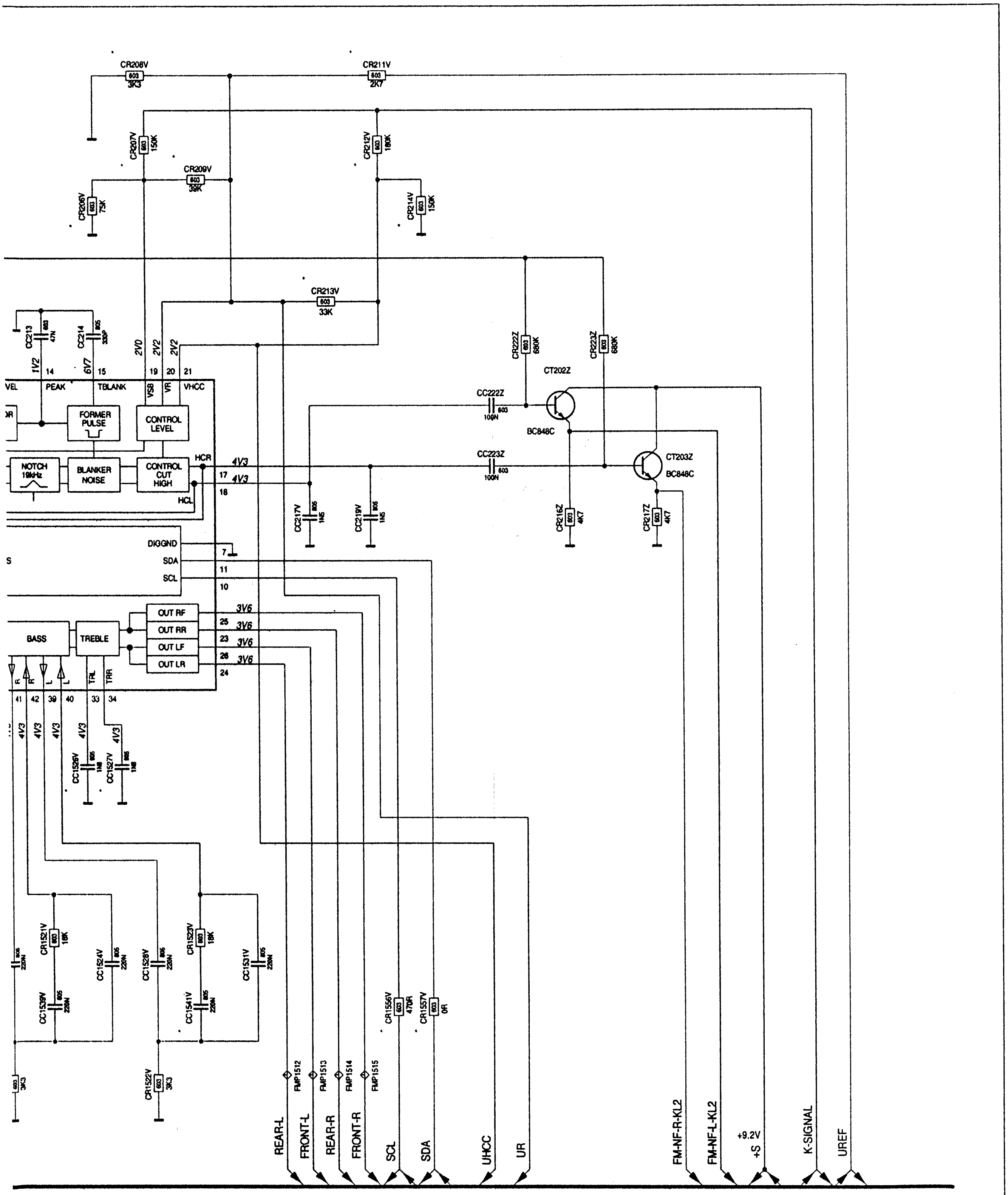

CT201
BCR135
10K
47K
CR201
603
0R
CC201
603
100N
CR314
603
4K7
CC312
603
68P
C1502
2U2/50V
C1507
2U2/50V
FMP1503
FMP1504
FMP201
MPX2
MPX
MPX(RDS)MUTE
PAUSE
+9.2V
+S
TB-R/CD-LW-R
TB-R2
TB-L/CD-LW-L
MESSPUNKTE
ABGLEICHPUNKTE
201
1501
1502
1503
1504

STEREO / VSA / KLANGSTELLER
SOUND CONTROL


C202V
10UF
16V
CR202V
5K6
CC203V
1000P
CR203GK
1M0
C207V
10UF
16V
CR204
22R
CC208
100N
C209
100U/10V
C212
10U/16V
4V3
8V7
5V4
4V3
CIC201
TDA7340G
CC213
47N
1V2
GND
VS
MPX-IN
LEVEL
PAUSE
CREF
SUPPLY
LP
80kHz
HP
80kHz
DETECTOR
PEAK
1V9
456KHZ
PLL
DEMODULATOR
LP
25kHz
NOTCH
19kHz
C201
CSB456
FM-L
FM-R
PHONE GND
PHONE IN
TBR
TBL
MUX
BEEP
AM
CDR
L-
CD
L+
CD
R+
ICD
I C - BUS
PAUSE
MUTE
+LOUD
VOL
MUTE
SOFT
BASS
OUTR
OUTL
INL
INR
CSM
0V
CC1506A
22N
CC1503JR
100N
CR1502JR
47K
CR1503JR
4K7
CC1504JR
22N
FMP1516
CR1501V
68K
C1507
2U2/50V
FMP1504
CR1506CH
0R
CR1507CH
0R
C1509CH
4U7/25V
C1511CH
4U7/25V
C1512CH
4U7/25V
CR1512V
15K
CR1513V
15K
CR1508CH
1M0
CR1509CH
1M0
CR1511CH
1M0
C1514
2U2/50V
C1513
2U2/50V
CR1514V
1K2
CR1517V
1K2
CC1516V
47N
CC1517V
47N
CR1516V
150R
CR1518V
150R
CC1518V
150N
CC1519V
150N
CC1521
47N
CC1522V
220N
CR1521V
CC1539V
CR1519V
3K3
FMP1506
FMP1505
FMP1507
FMP1508
FMP1509
FMP1510
FMP1511
TB-L/CD-LW-L
TB-L2
BEEP
AM-NF
CD-R
CD-GND
CD-L
CD-R2
CD-GND2
CD-L2

19373-129.00 SEAT AURA

1504 1516 1506 1505 1507 1508 1509 1510 1511


CR208V
603
3K3
CR211V
603
2K7
CR207V
603
150K
CR212V
603
180K
CR209V
603
39K
CR206V
603
75K
CR214V
603
150K
CR213V
603
33K
CC213
603
47N
CC214
805
330P
1V2
6V7
2V0
2V2
2V2
14
15
19
20
21
VEL
PEAK
TBLANK
VSB
VR
VHCC
FORMER PULSE
CONTROL LEVEL
NOTCH 19kHz
BLANKER NOISE
CONTROL CUT HIGH
HCR
HCL
17
18
4V3
4V3
CR222Z
603
680K
CR223Z
603
680K
CT202Z
CC222Z
603
100N
BC848C
CC223Z
603
100N
CT203Z
BC848C
CC217V
805
1N5
CC219V
805
1N5
CR216Z
603
4K7
CR217Z
603
4K7
DIGGND
SDA
SCL
7
11
10
S
OUT RF
OUT RR
OUT LF
OUT LR
25
23
26
24
3V6
3V6
3V6
3V6
BASS
TREBLE
TRL
TRR
41
42
39
40
33
34
4V3
4V3
4V3
4V3
CC1526V
805
1N8
CC1527V
805
1N8
CR1521V
603
18K
CC1524V
805
220N
CC1528V
805
220N
CR1523V
603
18K
CC1531V
805
220N
805
220N
CC1539V
805
220N
CC1541V
805
220N
CR1556V
603
470R
CR1557V
603
0R
603
3K3
CR1522V
603
3K3
FMP1512
FMP1513
FMP1514
FMP1515
REAR-L
FRONT-L
REAR-R
FRONT-R
SCL
SDA
UHCC
UR
FM-NF-R-KL2
FM-NF-L-KL2
+9.2V
+S
K-SIGNAL
UREF

JRA

HAUPTPLATTE

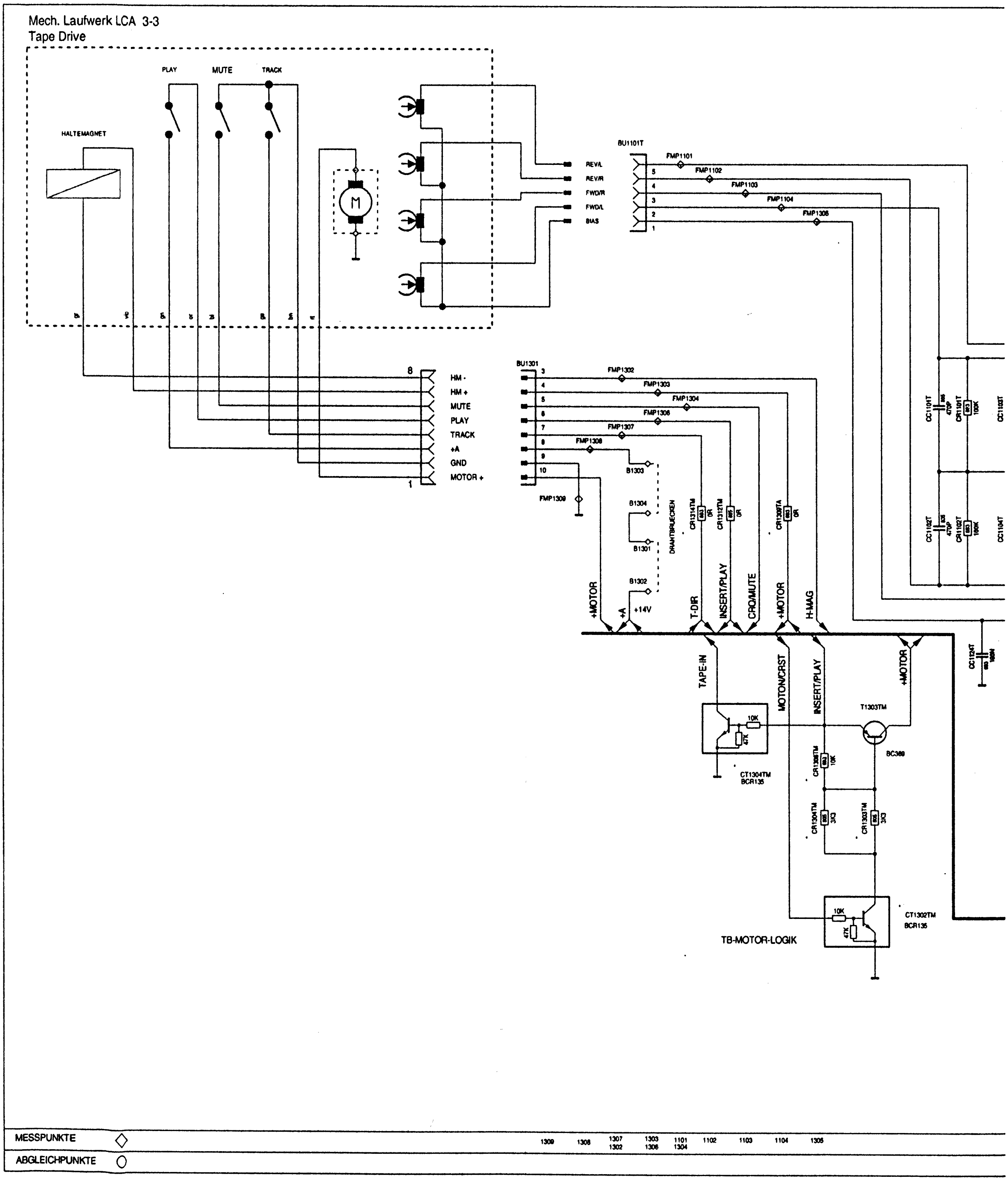
MAIN BOARD

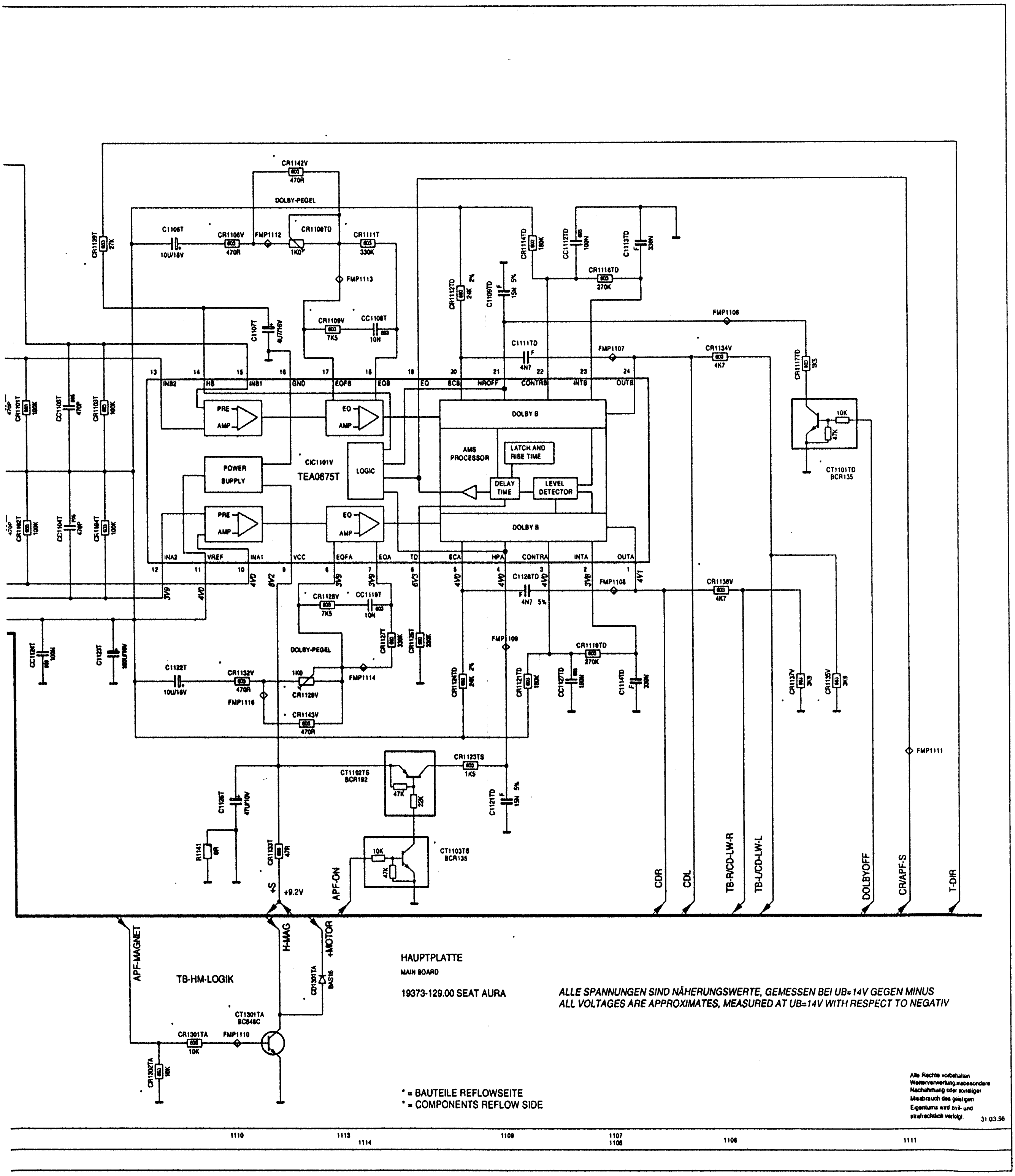
ALLE SPANNUNGEN SIND NÄHERUNGSWERTE, GEMESSEN BEI UB=14V GEGEN MINUS
ALL VOLTAGES ARE APPROXIMATES, MEASURED AT UB=14V WITH RESPECT TO NEGATIV

* = BAUTEILE REFLOWSEITE
* = COMPONENTS REFLOW SIDE

1512 1513 1514 1515

Kassetten-Teil / Cassette Part


Mech. Laufwerk LCA 3-3
Tape Drive
PLAY
MUTE
TRACK
HALTEMAGNET
M
BU1101T
FMP1101
FMP1102
FMP1103
FMP1104
FMP1305
REV/L
REV/R
FWD/R
FWD/L
BIAS
5
4
3
2
1
8
1
HM -
HM +
MUTE
PLAY
TRACK
+A
GND
MOTOR +
BU1301
3
4
5
6
7
8
9
10
FMP1302
FMP1303
FMP1304
FMP1306
FMP1307
FMP1308
FMP1309
B1303
B1304
B1301
B1302
DRAHTBRUECKEN
CR1314TM
CR1312TM
CR1309TA
0R
+MOTOR
+A
+14V
T-DIR
INSERT/PLAY
CRO/MUTE
+MOTOR
H-MAG
TAPE-IN
MOTON/CRST
INSERT/PLAY
+MOTOR
T1303TM
BC369
10K
47K
CT1304TM
BCR135
CR1308TM
10K
CR1304TM
3K3
CR1303TM
3K3
10K
47K
CT1302TM
BCR135
TB-MOTOR-LOGIK
CC1101T
470P
CR1101T
100K
CC1103T
CC1102T
470P
CR1102T
100K
CC1104T
CC1124T
MESSPUNKTE ◇
ABGLEICHPUNKTE ○
1309
1308
1307
1302
1303
1306
1101
1304
1102
1103
1104
1305


CR1142V
470R
DOLBY-PEGEL
C1106T
10U/16V
CR1106V
470R
FMP1112
CR1108TD
1K0
CR1111T
330K
FMP1113
CR1139T
27K
CR1109V
7K5
CC1108T
10N
C1107T
4U7/16V
CR1112TD
24K 2%
C1109TD
15N 5%
CR1114TD
180K
CC1112TD
100N
C1113TD
330N
CR1116TD
270K
FMP1106
C1111TD
4N7
FMP1107
CR1134V
4K7
CR1117TD
1K5
10K
47K
CT1101TD
BCR135
INB2
HS
INB1
GND
EOFB
EOB
EO
SCB
NROFF
CONTRB
INTB
OUTB
PRE AMP
EQ AMP
POWER SUPPLY
CIC1101V
TEA0675T
LOGIC
DOLBY B
AMS PROCESSOR
LATCH AND RISE TIME
DELAY TIME
LEVEL DETECTOR
INA2
VREF
INA1
VCC
EOFA
EOA
TD
SCA
HPA
CONTRA
INTA
OUTA
CR1101T
100K
CC1103T
470P
CR1102T
100K
CR1103T
100K
CC1104T
470P
CR1104T
100K
3V9
4V0
8V2
6V3
4V1
3V8
CR1128V
7K5
CC1118T
10N
DOLBY-PEGEL
FMP1114
CR1129V
CR1143V
470R
C1122T
10U/16V
CR1132V
470R
FMP1115
C1124T
100N
C1123T
100U/16V
CR1127T
330K
CR1126T
330K
CR1124TD
24K 2%
FMP1109
C1128TD
4N7 5%
FMP1108
CR1136V
4K7
CR1121TD
180K
CC1127TD
100N
CR1119TD
270K
C1114TD
330N
CR1137V
3K9
CR1135V
3K9
FMP1111
CT1102TS
BCR192
47K
22K
CR1123TS
1K5
C1121TD
15N 5%
C1125T
47U/16V
R1141
0R
CR1133T
47R
10K
47K
CT1103TS
BCR135
+S
+9.2V
APF-ON
CDR
CDL
TB-R/CD-LW-R
TB-L/CD-LW-L
DOLBYOFF
CR/APF-S
T-DIR
APF-MAGNET
H-MAG
+MOTOR
CD1301TA
BAS16
TB-HM-LOGIK
CT1301TA
BC848C
CR1301TA
10K
FMP1110
CR1302TA
10K
1110
1113
1114
1109
1107
1108
1106
1111

HAUPTPLATTE
MAIN BOARD

19373-129.00 SEAT AURA

ALLE SPANNUNGEN SIND NÄHERUNGSWERTE, GEMESSEN BEI UB=14V GEGEN MINUS
ALL VOLTAGES ARE APPROXIMATES, MEASURED AT UB=14V WITH RESPECT TO NEGATIV

* = BAUTEILE REFLOWSEITE
* = COMPONENTS REFLOW SIDE

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Missbrauch des geistigen
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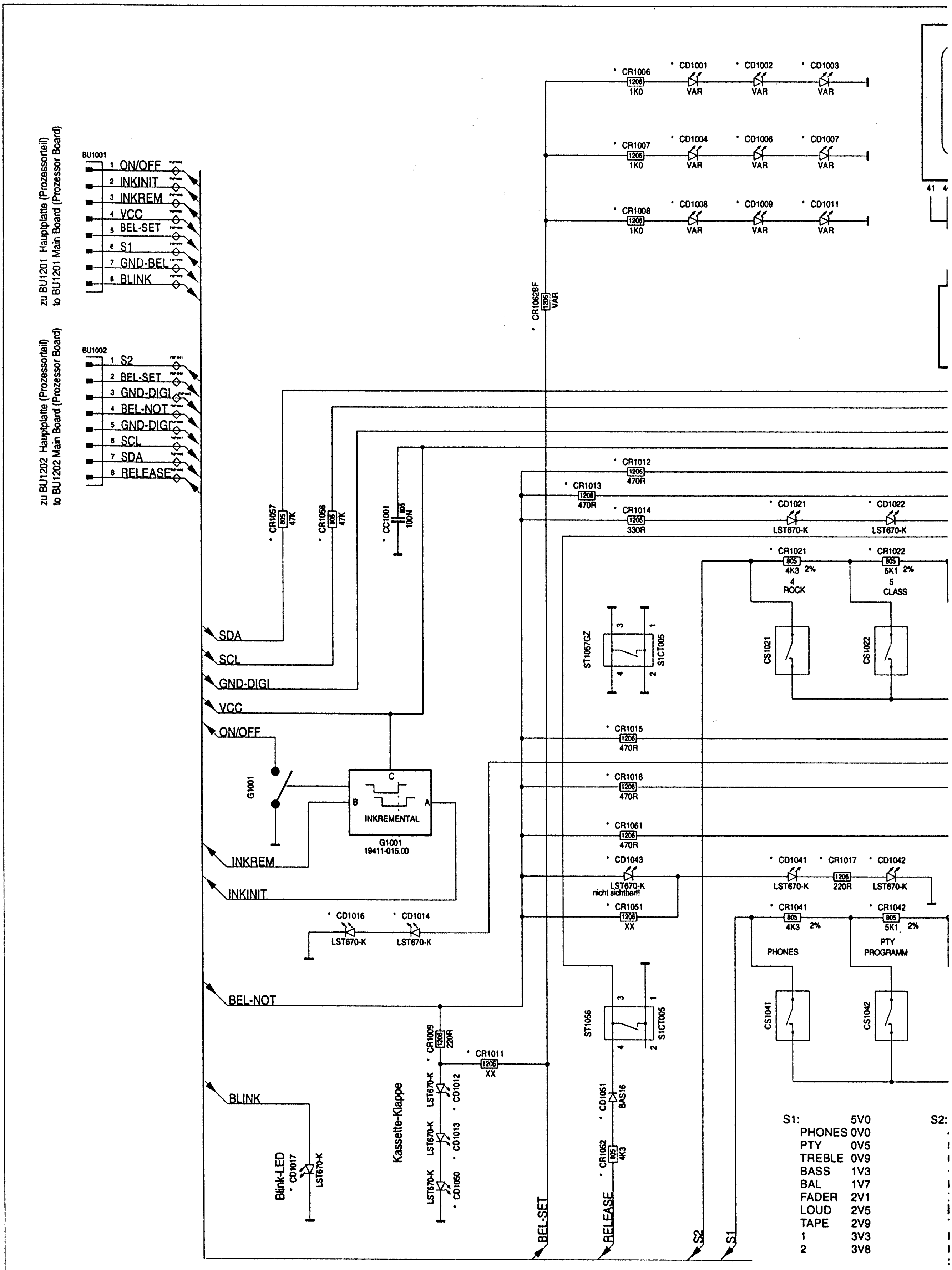
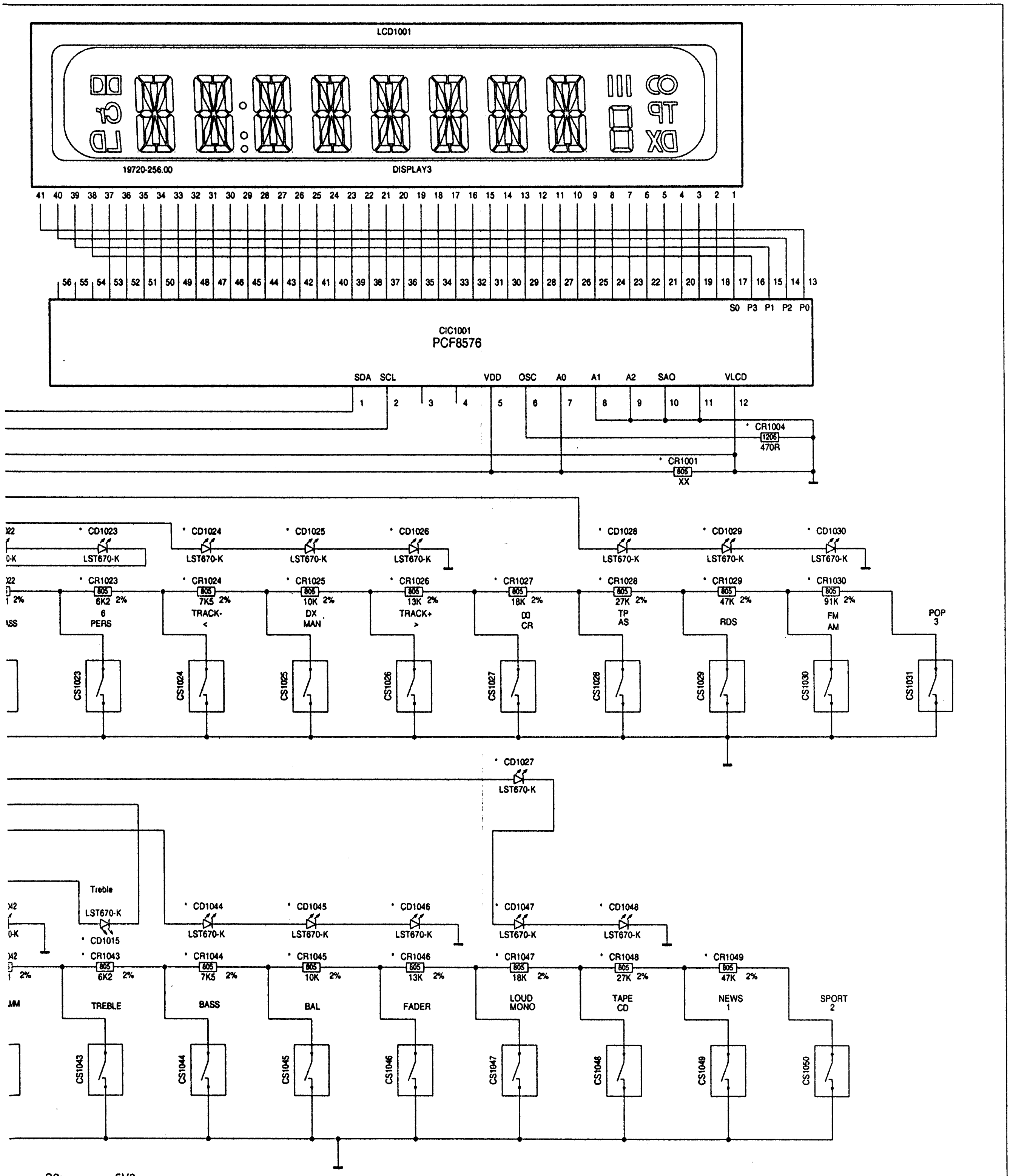
Bedienplatte / Operating Board


zu BU1201 Hauptplatte (Prozessorteil)
to BU1201 Main Board (Prozessor Board)
BU1001
1 ON/OFF
2 INKINIT
3 INKREM
4 VCC
5 BEL-SET
6 S1
7 GND-BEL
8 BLINK
zu BU1202 Hauptplatte (Prozessorteil)
to BU1202 Main Board (Prozessor Board)
BU1002
1 S2
2 BEL-SET
3 GND-DIGI
4 BEL-NOT
5 GND-DIGI
6 SCL
7 SDA
8 RELEASE
CR1006 1206 1K0
CR1007 1206 1K0
CR1008 1206 1K0
CD1001 VAR
CD1002 VAR
CD1003 VAR
CD1004 VAR
CD1006 VAR
CD1007 VAR
CD1008 VAR
CD1009 VAR
CD1011 VAR
CR1062BF 1206 VAR
41
CR1057 805 47K
CR1058 805 47K
CC1001 805 100N
CR1012 1206 470R
CR1013 1206 470R
CR1014 1206 330R
CD1021 LST670-K
CD1022 LST670-K
CR1021 805 4K3 2%
4 ROCK
CR1022 805 5K1 2%
5 CLASS
ST1057GZ
S1CT005
CS1021
CS1022
SDA
SCL
GND-DIGI
VCC
ON/OFF
G1001
INKREMENTAL
G1001 19411-015.00
C
B
A
INKREM
INKINIT
CR1015 1206 470R
CR1016 1206 470R
CR1061 1206 470R
CD1043 LST670-K nicht sichtbar!!
CR1051 1206 XX
CD1041 LST670-K
CR1017 1206 220R
CD1042 LST670-K
CR1041 805 4K3 2%
PHONES
CR1042 805 5K1 2%
PTY PROGRAMM
CD1016 LST670-K
CD1014 LST670-K
BEL-NOT
CR1009 1206 220R
CR1011 1206 XX
ST1056
S1CT005
CS1041
CS1042
CD1051 BAS16
CR1052 805 4K3
LST670-K CD1012
LST670-K CD1013
LST670-K CD1050
Kassette-Klappe
BLINK
Blink-LED CD1017 LST670-K
BEL-SET
RELEASE
S2
S1
S2:

S1:	5V0
PHONES	0V0
PTY	0V5
TREBLE	0V9
BASS	1V3
BAL	1V7
FADER	2V1
LOUD	2V5
TAPE	2V9
1	3V3
2	3V8

MESSPUNKTE

ABGLEICHPUNKTE


LCD1001
19720-256.00
DISPLAY3
CIC1001
PCF8576
S0 P3 P1 P2 P0
SDA SCL VDD OSC A0 A1 A2 SAO VLCD
CR1004 1206 470R
CR1001 805 XX
CD1023 CD1024 CD1025 CD1026 CD1028 CD1029 CD1030
LST670-K
CR1023 6K2 2% 6 PERS
CR1024 7K5 2% TRACK- <
CR1025 10K 2% DX MAN
CR1026 13K 2% TRACK+ >
CR1027 18K 2% DD CR
CR1028 27K 2% TP AS
CR1029 47K 2% RDS
CR1030 91K 2% FM AM
POP 3
CS1023 CS1024 CS1025 CS1026 CS1027 CS1028 CS1029 CS1030 CS1031
CD1027 LST670-K
Treble LST670-K CD1015
CD1044 CD1045 CD1046 CD1047 CD1048
CR1043 6K2 2% TREBLE
CR1044 7K5 2% BASS
CR1045 10K 2% BAL
CR1046 13K 2% FADER
CR1047 18K 2% LOUD MONO
CR1048 27K 2% TAPE CD
CR1049 47K 2% NEWS 1
SPORT 2
CS1043 CS1044 CS1045 CS1046 CS1047 CS1048 CS1049 CS1050

S2:	5V0
4	0V0
5	0V5
6	0V9
<	1V3
DX	1V7
>	2V1
DD	2V5
TP	2V9
RDS	3V3
FM	3V8
3	4V2

ALLE SPANNUNGEN SIND NÄHERUNGSWERTE, GEMESSEN BEI UB=14V GEGEN MINUS
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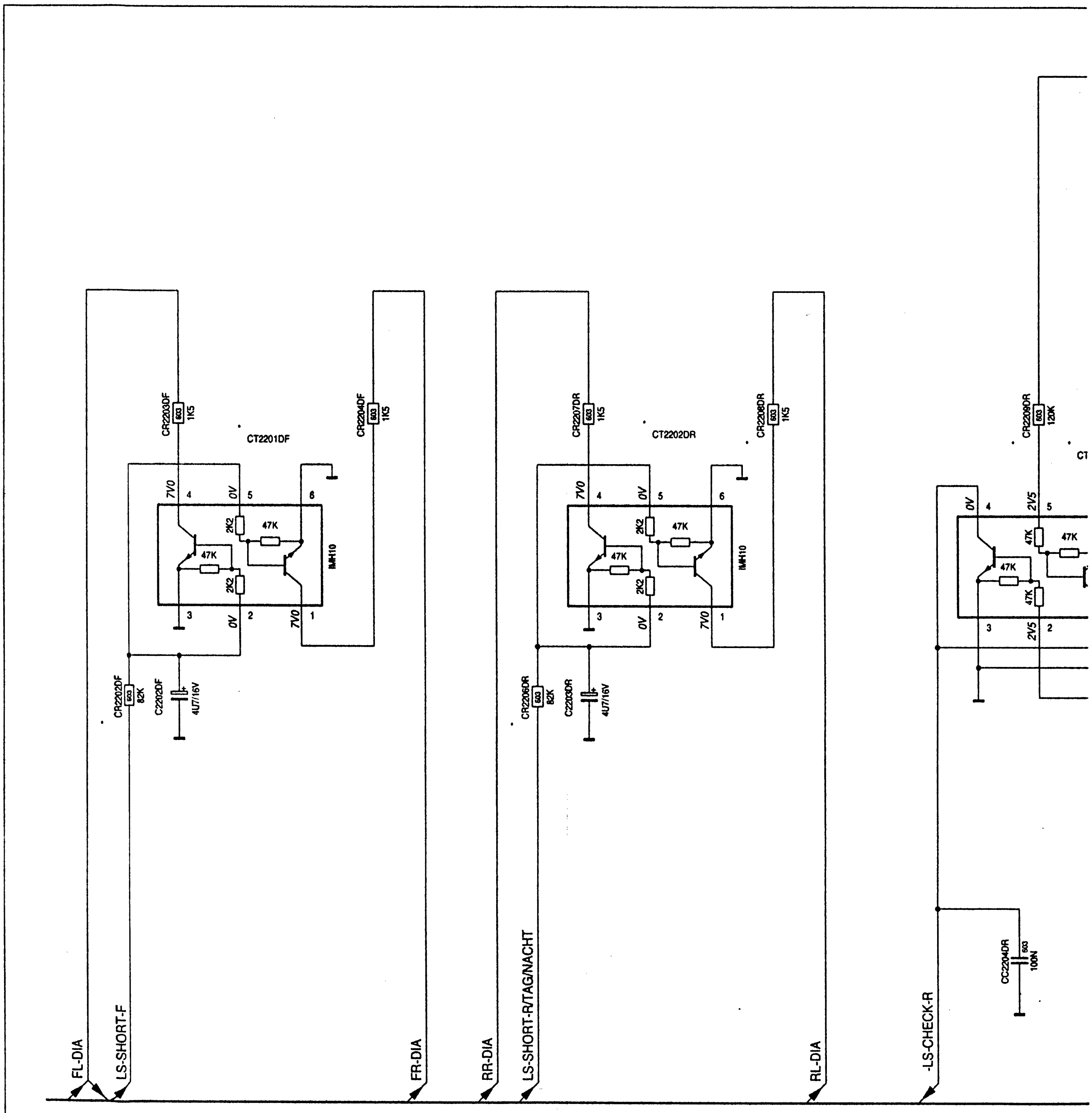
BEDIEN-LCD-PLATTE
OPERATING BOARD

19373-504.00

* = BAUTEILE REFLOWSEITE
* = COMPONENTS REFLOW SIDE

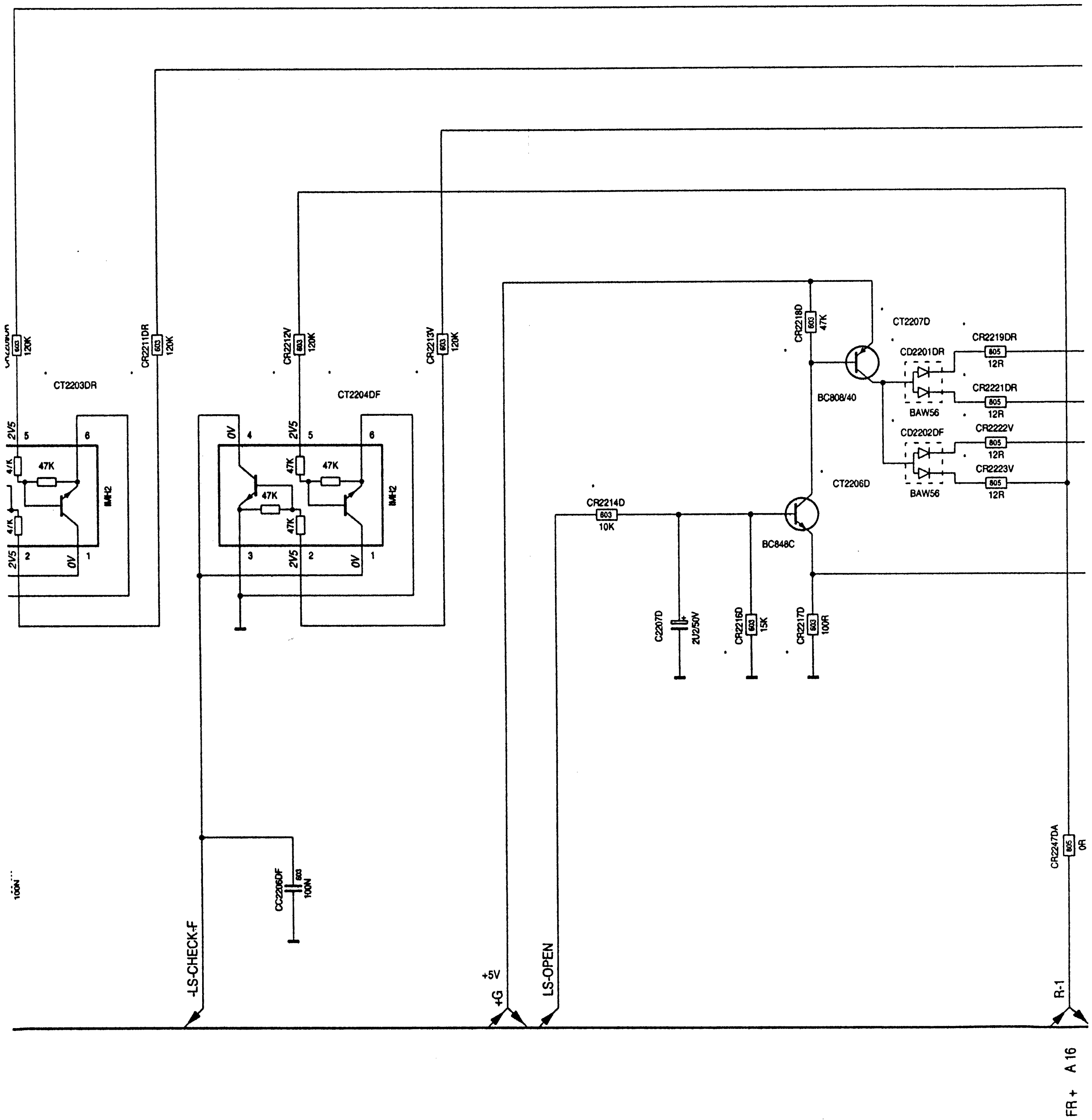
28.01.00

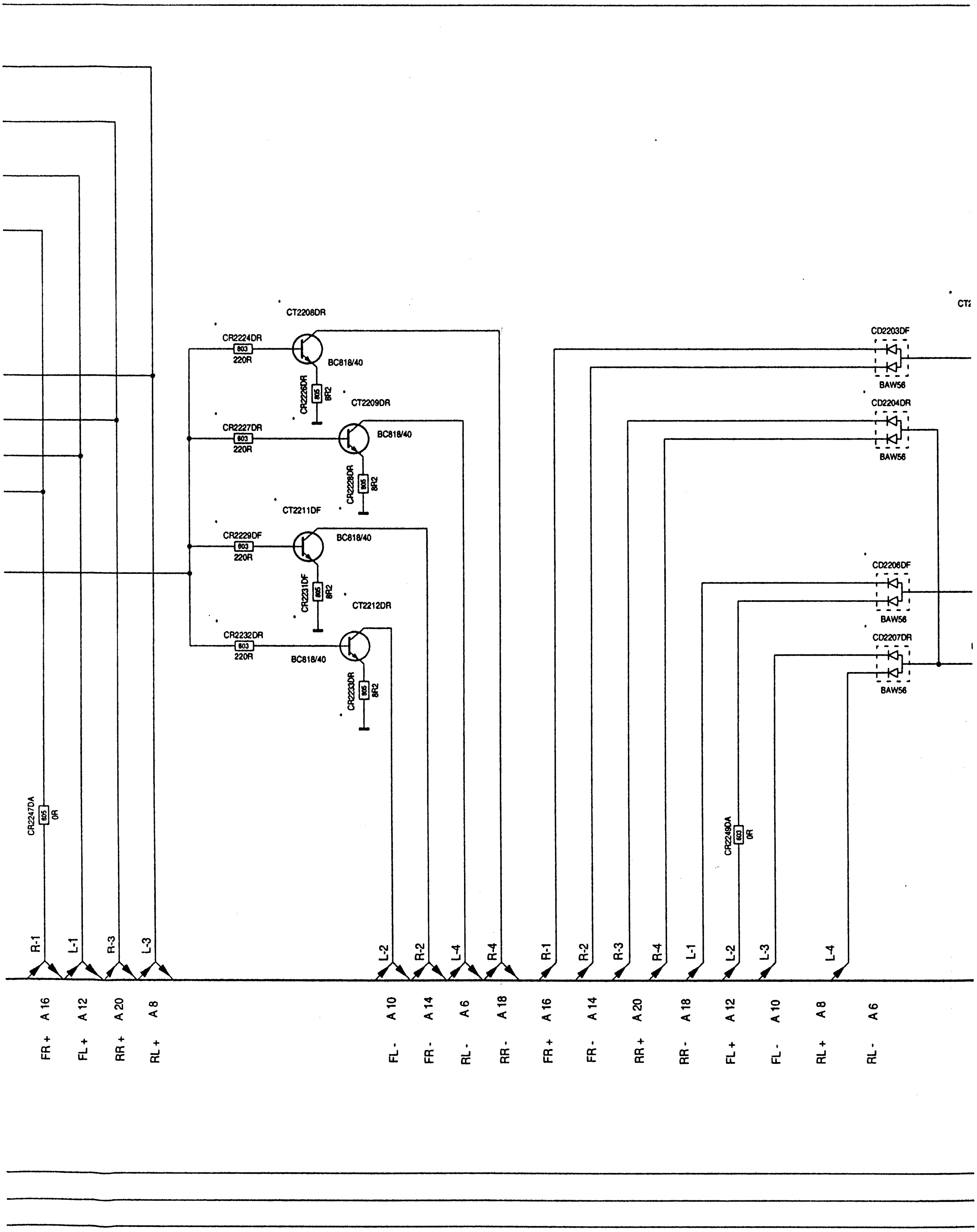
Diagnose und ext. Display / Diagnoses and ext. Display

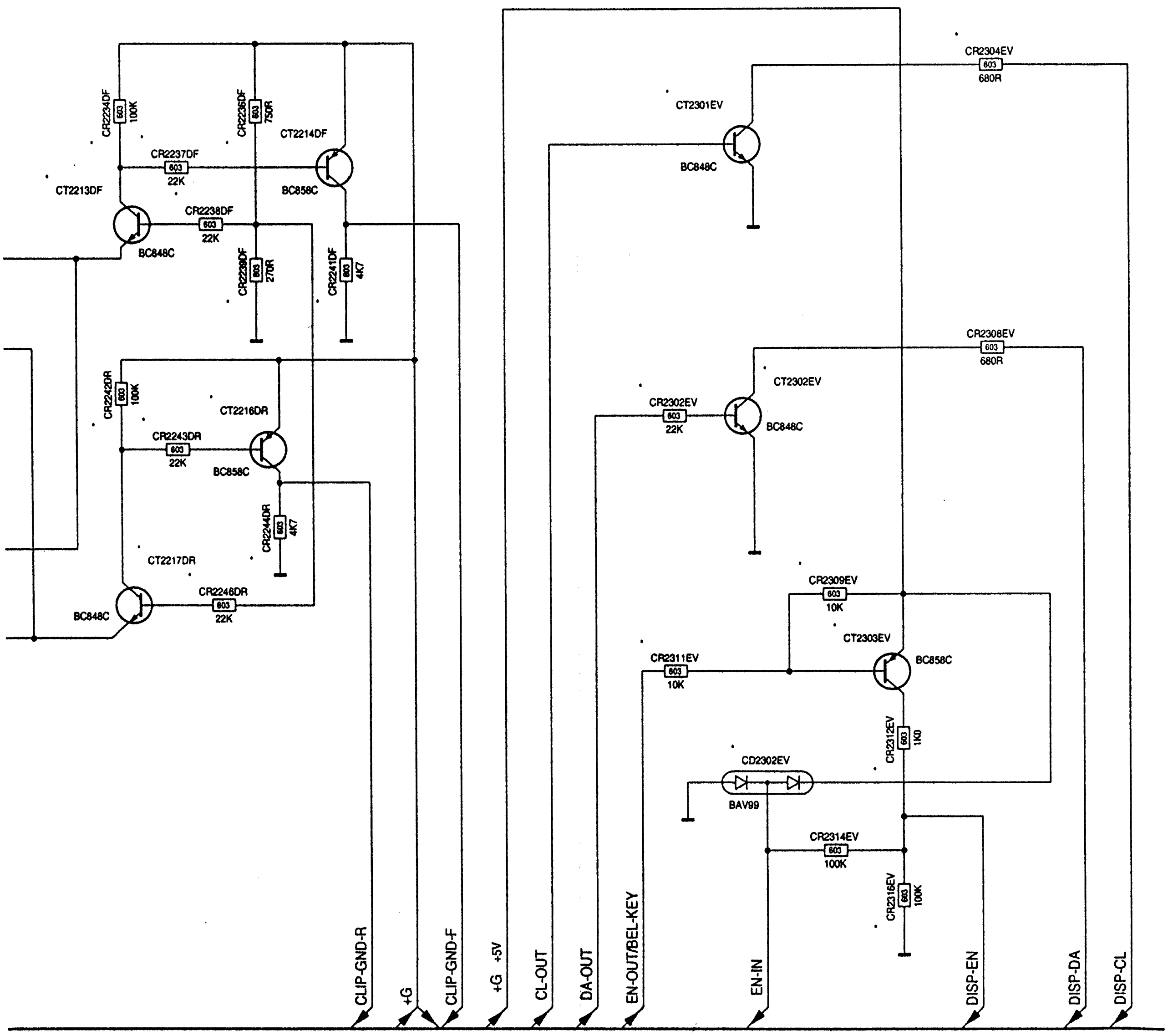

CR2203DF
603
1K5
CT2201DF
CR2204DF
603
1K5
7V0
4
0V
5
6
2K2
47K
47K
2K2
IMH10
3
0V
2
7V0
1
CR2202DF
603
82K
C2202DF
4U7/16V
CR2207DR
603
1K5
CT2202DR
CR2208DR
603
1K5
7V0
4
0V
5
6
2K2
47K
47K
2K2
IMH10
3
0V
2
7V0
1
CR2206DR
603
82K
C2203DR
4U7/16V
CR2209DR
603
120K
CT
0V
4
2V5
5
47K
47K
47K
47K
3
2V5
2
CC2204DR
603
100N
FL-DIA
LS-SHORT-F
FR-DIA
RR-DIA
LS-SHORT-R/TAG/NACHT
RL-DIA
-LS-CHECK-R

MESSPUNKTE ◇

ABGLEICHPUNKTE ○


120K
CT2203DR
CR2211DR
603
120K
2V5
5
6
47K
47K
47K
IMH2
2V5
2
0V
1
CR2212V
603
120K
CT2204DF
CR2213V
603
120K
0V
4
2V5
5
6
47K
47K
47K
47K
IMH2
3
2V5
2
0V
1
CR2218D
603
47K
CT2207D
CR2219DR
805
12R
CD2201DR
BC808/40
CR2221DR
805
12R
BAW56
CD2202DF
CR2222V
805
12R
CR2223V
805
12R
BAW56
CT2206D
CR2214D
603
10K
BC848C
C2207D
2U2/50V
CR2216D
603
15K
CR2217D
603
100R
100N
CC2206DF
603
100N
CR2247DA
805
0R
-LS-CHECK-F
+5V
+G
LS-OPEN
R-1
FR + A 16


CT2208DR
CR2224DR
603
220R
BC818/40
CR2226DR
805
8R2
CT2209DR
CR2227DR
603
220R
BC818/40
CR2228DR
805
8R2
CT2211DF
CR2229DF
603
220R
BC818/40
CR2231DF
805
8R2
CT2212DR
CR2232DR
603
220R
BC818/40
CR2233DR
805
8R2
CT
CD2203DF
BAW56
CD2204DR
BAW56
CD2206DF
BAW56
CD2207DR
BAW56
CR2247DA
805
0R
CR2249DA
603
0R
R-1
L-1
R-3
L-3
L-2
R-2
L-4
R-4
R-1
R-2
R-3
R-4
L-1
L-2
L-3
L-4
A 16
A 12
A 20
A 8
A 10
A 14
A 6
A 18
A 16
A 14
A 20
A 18
A 12
A 10
A 8
A 6
FR +
FL +
RR +
RL +
FL -
FR -
RL -
RR -
FR +
FR -
RR +
RR -
FL +
FL -
RL +
RL -


CR2234DF
603
100K
CR2236DF
603
750R
CT2214DF
CR2237DF
603
22K
CT2213DF
BC858C
CR2238DF
603
22K
BC848C
CR2239DF
603
270R
CR2241DF
603
4K7
CR2242DR
603
100K
CT2216DR
CR2243DR
603
22K
BC858C
CR2244DR
603
4K7
CT2217DR
CR2246DR
603
22K
BC848C
CT2301EV
BC848C
CR2304EV
603
680R
CR2308EV
603
680R
CT2302EV
CR2302EV
603
22K
BC848C
CR2309EV
603
10K
CT2303EV
CR2311EV
603
10K
BC858C
CR2312EV
603
1K0
CD2302EV
BAV99
CR2314EV
603
100K
CR2316EV
603
100K
CLIP-GND-R
+G
CLIP-GND-F
+G +5V
CL-OUT
DA-OUT
EN-OUT/BEL-KEY
EN-IN
DISP-EN
DISP-DA
DISP-CL

ALLE SPANNUNGEN SIND NÄHERUNGSWERTE, GEMESSEN BEI UB=14V GEGEN MINUS
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* = BAUTEILE REFLOWSEITE
* = COMPONENTS REFLOW SIDE

HAUPTPLATTE
MAIN BOARD

19373-129.00 SEAT AURA

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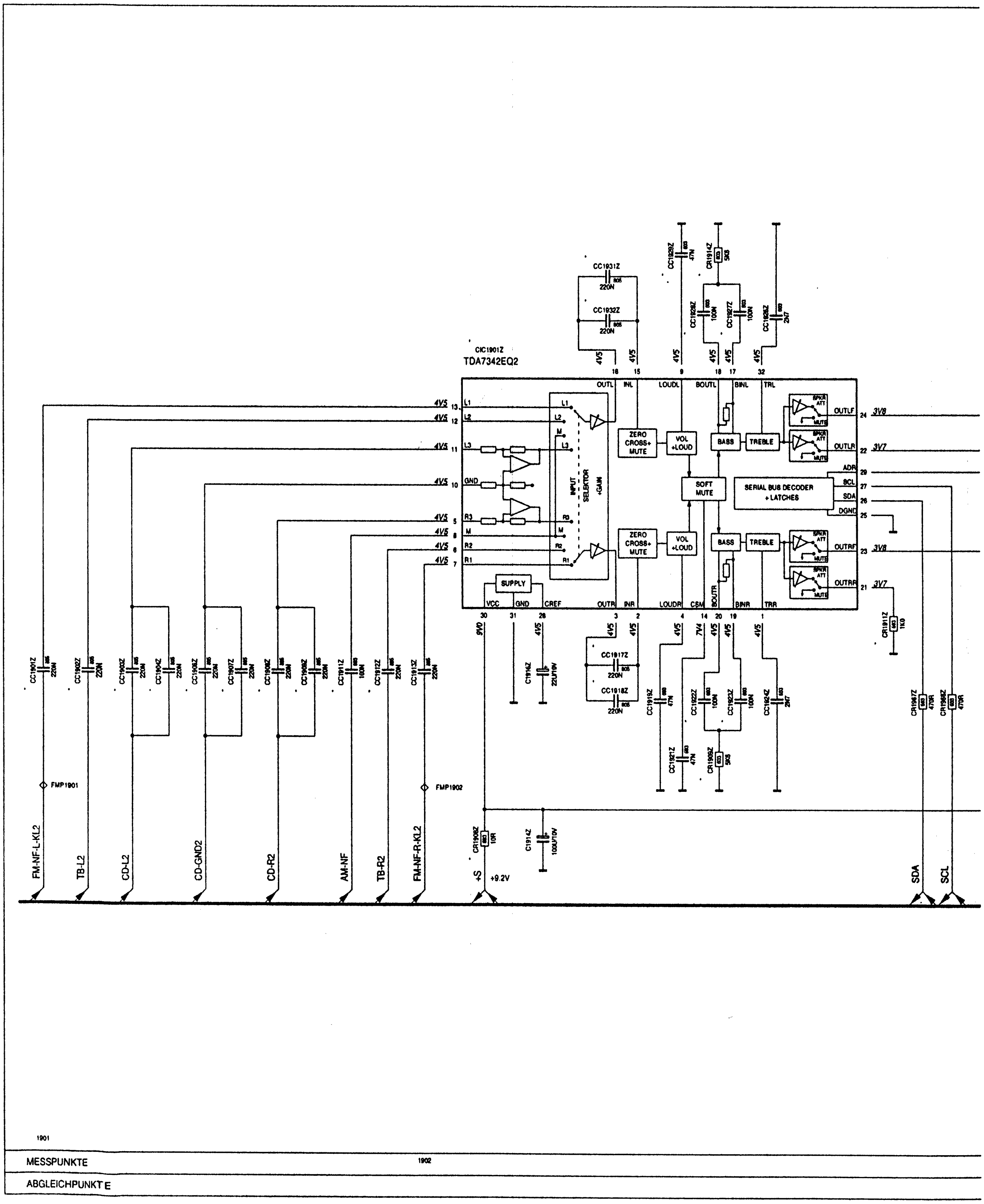
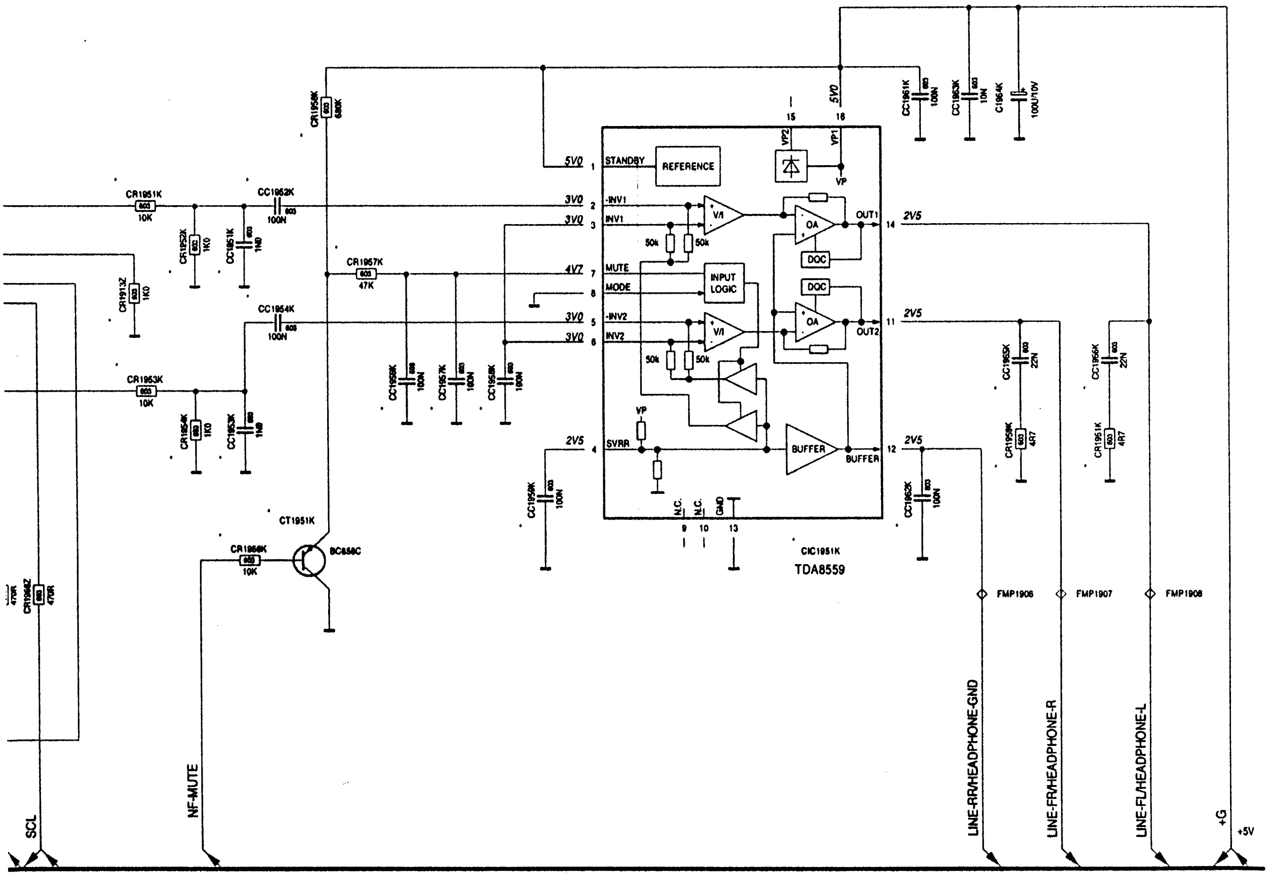
Klangsteller Kopfhörer / Sound Control Headphone


CIC1901Z
TDA7342EQ2
CC1931Z
220N
CC1932Z
220N
CC1929Z
47N
CR1914Z
5K6
CC1928Z
100N
CC1927Z
100N
CC1926Z
2N7
4V5
OUTL
INL
LOUDL
BOUTL
BINL
TRL
L1
L2
L3
GND
R3
M
R2
R1
INPUT SELEKTOR +GAIN
ZERO CROSS+ MUTE
VOL +LOUD
BASS
TREBLE
SOFT MUTE
SERIAL BUS DECODER +LATCHES
SPKR ATT
MUTE
OUTLF
OUTLR
ADR
SCL
SDA
DGND
OUTRF
OUTRR
SUPPLY
VCC
GND
CREF
OUTR
INR
LOUDR
CSM
BOUTR
BINR
TRR
3V8
3V7
9V0
7V4
CR1911Z
1K0
CC1917Z
220N
CC1918Z
220N
CC1919Z
47N
CC1922Z
100N
CC1923Z
100N
CC1924Z
2N7
CC1921Z
47N
CR1905Z
5K6
C1916Z
22U/10V
CC1901Z
CC1902Z
CC1903Z
CC1904Z
CC1906Z
CC1907Z
CC1908Z
CC1909Z
CC1911Z
CC1912Z
CC1913Z
220N
100N
CR1967Z
470R
CR1968Z
470R
FMP1901
FMP1902
CR1906Z
10R
C1914Z
100U/10V
FM-NF-L-KL2
TB-L2
CD-L2
CD-GND2
CD-R2
AM-NF
TB-R2
FM-NF-R-KL2
+S
+9.2V
SDA
SCL
1901
MESSPUNKTE
1902
ABGLEICHPUNKTE


CR1955K
603
680K
5V0
3V0
3V0
4V7
3V0
3V0
2V5
1
2
3
7
8
5
6
4
CR1951K
603
10K
CC1952K
603
100N
CR1952K
602
1K0
CC1951K
603
1N0
CR1913Z
603
1K0
CR1957K
603
47K
CC1954K
603
100N
CR1953K
603
10K
CR1954K
603
1K0
CC1953K
603
1N0
CC1956K
603
100N
CC1957K
603
100N
CC1958K
603
100N
CC1959K
603
100N
CT1951K
CR1956K
603
10K
BC858C
CR1964Z
603
470R
470R
STANDBY
REFERENCE
-INV1
INV1
MUTE
MODE
-INV2
INV2
SVRR
50k
50k
50k
50k
V/I
V/I
OA
OA
DOC
DOC
INPUT
LOGIC
BUFFER
VP
VP
VP2
VP1
15
16
5V0
OUT1
OUT2
BUFFER
14
11
12
2V5
2V5
2V5
N.C.
N.C.
GND
9
10
13
CIC1951K
TDA8559
CC1961K
603
100N
CC1963K
603
10N
C1964K
100U/10V
CC1965K
603
22N
CC1966K
603
22N
CR1959K
603
4R7
CR1961K
603
4R7
CC1962K
603
100N
FMP1906
FMP1907
FMP1908
SCL
NF-MUTE
LINE-RR/HEADPHONE-GND
LINE-FR/HEADPHONE-R
LINE-FL/HEADPHONE-L
+G
+5V

HAUPTPLATTE
MAIN BOARD

19373-129.00 SEAT AURA

* = BAUTEILE REFLOWSEITE
* = COMPONENTS REFLOW SIDE

ALLE SPANNUNGEN SIND NÄHERUNGSWERTE, GEMESSEN BEI UB=14V GEGEN MINUS
ALL VOLTAGES ARE APPROXIMATES, MEASURED AT UB=14V WITH RESPECT TO NEGATIV

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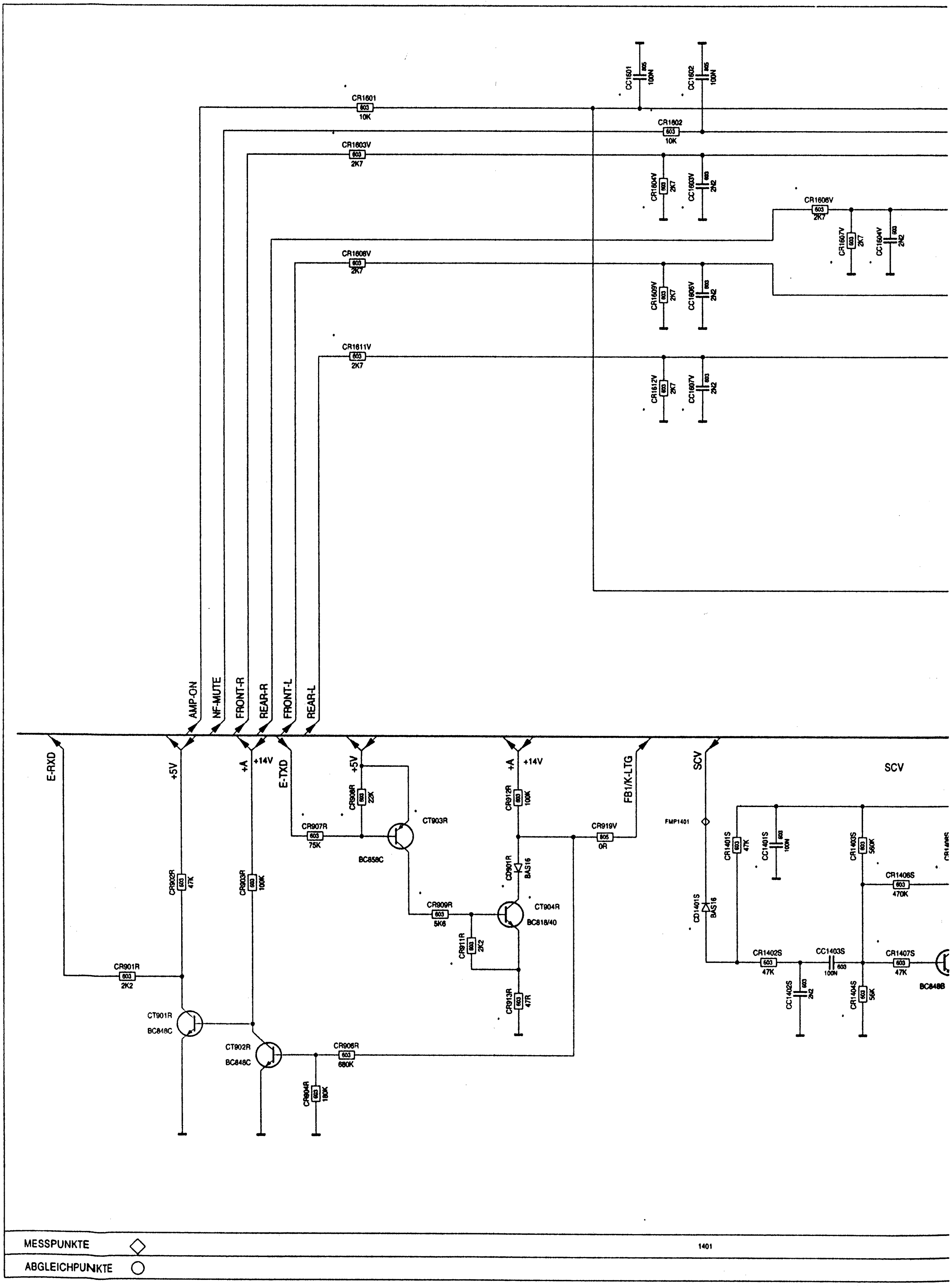
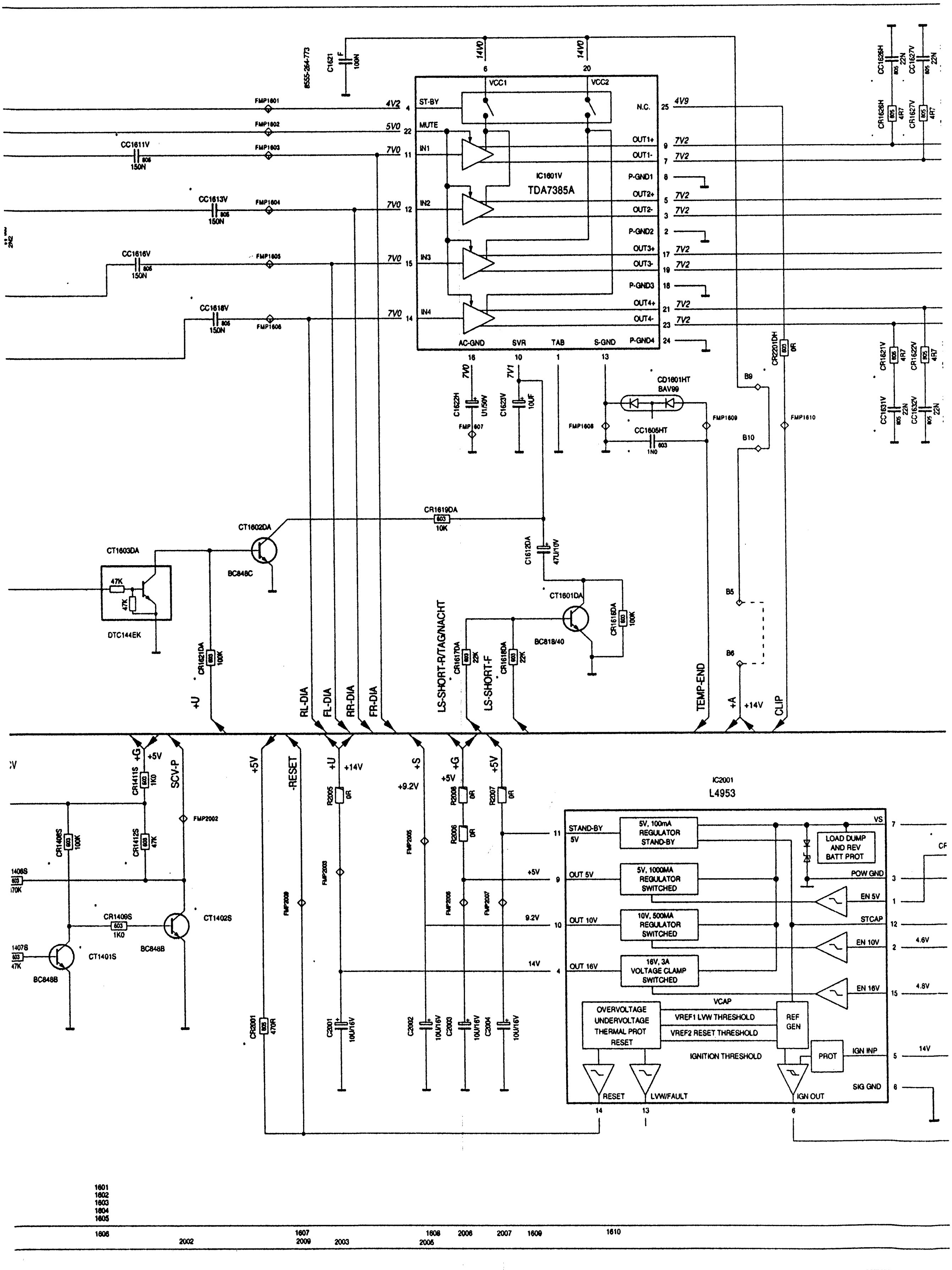
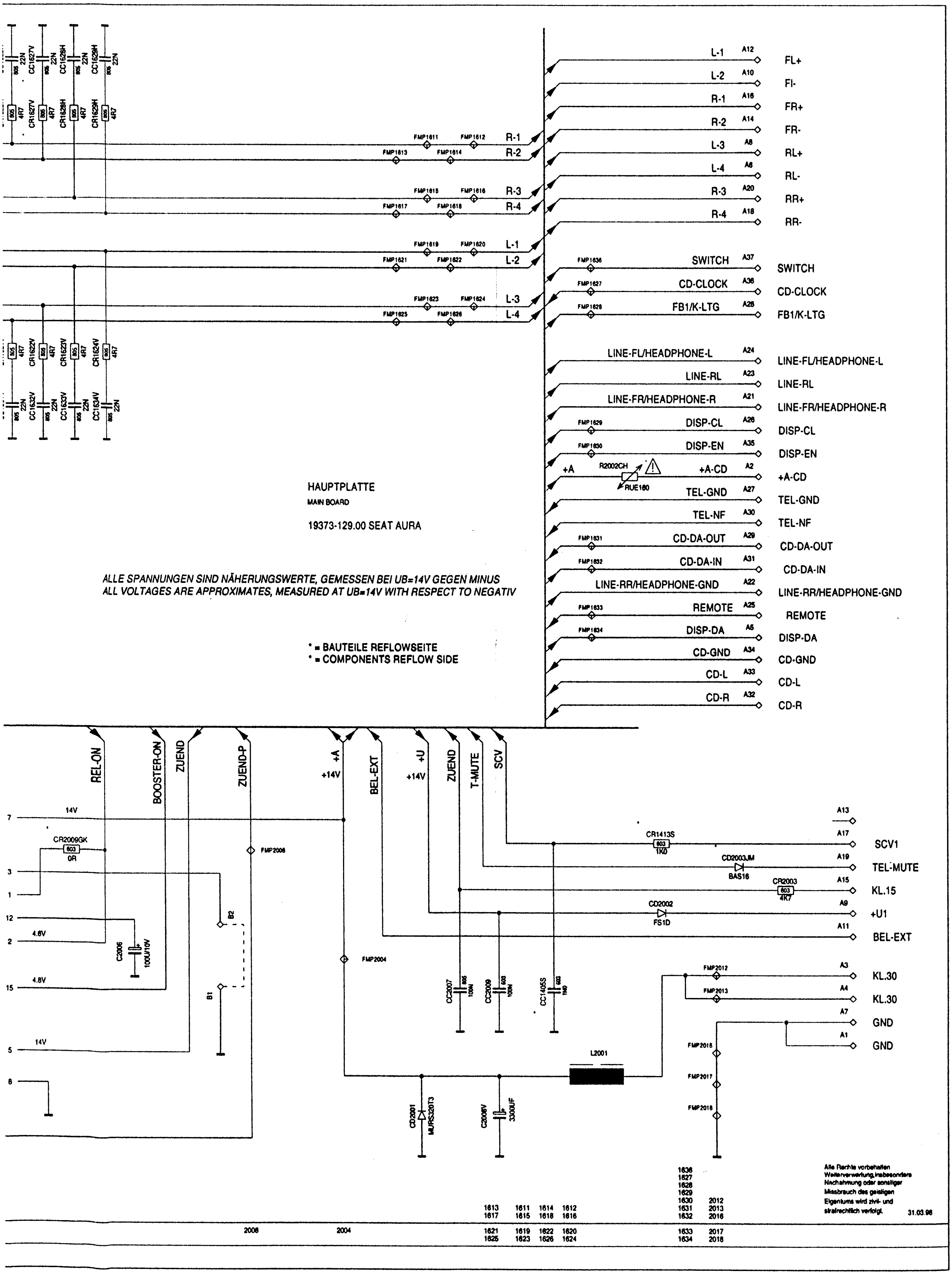
1906 1907 1908

Endstufen-Teil / Amplifier Part


CC1601 805 100N
CC1602 805 100N
CR1601 603 10K
CR1602 603 10K
CR1603V 603 2K7
CR1604V 603 2K7
CC1603V 603 2N2
CR1606V 603 2K7
CR1607V 603 2K7
CC1604V 603 2N2
CR1608V 603 2K7
CR1609V 603 2K7
CC1606V 603 2N2
CR1611V 603 2K7
CR1612V 603 2K7
CC1607V 603 2N2
AMP-ON
NF-MUTE
FRONT-R
REAR-R
FRONT-L
REAR-L
E-RXD
+5V
+A
+14V
E-TXD
+5V
+A
+14V
FB1/K-LTG
SCV
SCV
CR908R 603 22K
CR907R 603 75K
CT903R
BC858C
CR912R 603 100K
CR919V 805 0R
CD901R BAS16
CR909R 603 5K6
CT904R
BC818/40
CR911R 603 2K2
CR913R 603 47R
CR902R 603 47K
CR903R 603 100K
CR901R 603 2K2
CT901R
BC848C
CT902R
BC848C
CR906R 603 680K
CR904R 603 180K
FMP1401
CR1401S 603 47K
CC1401S 603 100N
CR1403S 603 560K
CR1406S 603 470K
CD1401S BAS16
CR1402S 603 47K
CC1403S 603 100N
CR1407S 603 47K
CC1402S 603 2N2
CR1404S 603 56K
BC848B
MESSPUNKTE ◇
ABGLEICHPUNKTE ○
1401


IC1601V
TDA7385A
ST-BY
MUTE
IN1
IN2
IN3
IN4
VCC1
VCC2
N.C.
OUT1+
OUT1-
P-GND1
OUT2+
OUT2-
P-GND2
OUT3+
OUT3-
P-GND3
OUT4+
OUT4-
P-GND4
AC-GND
SVR
TAB
S-GND
14V0
4V2
5V0
7V0
4V9
7V2
7V1
CC1611V
CC1613V
CC1616V
CC1618V
150N
C1621
100N
FMP1601
FMP1602
FMP1603
FMP1604
FMP1605
FMP1606
FMP1607
FMP1608
FMP1609
FMP1610
CR1626H
CR1627V
CC1626H
CC1627V
CR1621V
CR1622V
CC1631V
CC1632V
22N
4R7
C1622H
C1623V
10UF
CD1601HT
BAV99
CC1605HT
1N0
CR2201DH
B9
B10
B5
B6
CR1619DA
10K
CT1602DA
BC848C
CT1603DA
DTC144EK
47K
CR1621DA
100K
C1612DA
47U/10V
CT1601DA
BC818/40
CR1616DA
CR1617DA
CR1618DA
22K
+U
RL-DIA
FL-DIA
RR-DIA
FR-DIA
LS-SHORT-R/TAG/NACHT
LS-SHORT-F
TEMP-END
+A
+14V
CLIP
+G
+5V
SCV-P
-RESET
+S
+9.2V
CR1411S
1K0
CR1412S
CR1408S
CR1409S
CT1402S
CT1401S
BC848B
FMP2002
FMP2003
FMP2005
FMP2006
FMP2007
FMP2009
R2005
R2006
R2007
R2008
0R
CR2001
470R
C2001
C2002
C2003
C2004
10U/16V
IC2001
L4953
STAND-BY
5V
OUT 5V
OUT 10V
OUT 16V
5V, 100mA REGULATOR STAND-BY
5V, 1000MA REGULATOR SWITCHED
10V, 500MA REGULATOR SWITCHED
16V, 3A VOLTAGE CLAMP SWITCHED
LOAD DUMP AND REV BATT PROT
VS
POW GND
EN 5V
STCAP
EN 10V
EN 16V
VCAP
OVERVOLTAGE UNDERVOLTAGE THERMAL PROT RESET
VREF1 LVW THRESHOLD
VREF2 RESET THRESHOLD
REF GEN
IGNITION THRESHOLD
PROT
IGN INP
SIG GND
RESET
LVW/FAULT
IGN OUT
9.2V
14V
4.6V
4.8V
1601
1602
1603
1604
1605
1606
2002
1607
2009
2003
1608
2005
2006
2007
1609
1610



HAUPTPLATTE
MAIN BOARD

19373-129.00 SEAT AURA

ALLE SPANNUNGEN SIND NÄHERUNGSWERTE, GEMESSEN BEI UB=14V GEGEN MINUS
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* = BAUTEILE REFLOWSEITE
* = COMPONENTS REFLOW SIDE

CC1627V
CC1628H
CC1629H
22N
805
CR1627V
CR1628H
CR1629H
4R7
FMP1611
FMP1612
FMP1613
FMP1614
FMP1615
FMP1616
FMP1617
FMP1618
FMP1619
FMP1620
FMP1621
FMP1622
FMP1623
FMP1624
FMP1625
FMP1626
R-1
R-2
R-3
R-4
L-1
L-2
L-3
L-4
CR1622V
CR1623V
CR1624V
CC1632V
CC1633V
CC1634V
L-1 A12 FL+
L-2 A10 Fl-
R-1 A16 FR+
R-2 A14 FR-
L-3 A8 RL+
L-4 A6 RL-
R-3 A20 RR+
R-4 A18 RR-
FMP1636
SWITCH A37 SWITCH
FMP1627
CD-CLOCK A36 CD-CLOCK
FMP1628
FB1/K-LTG A28 FB1/K-LTG
LINE-FL/HEADPHONE-L A24 LINE-FL/HEADPHONE-L
LINE-RL A23 LINE-RL
LINE-FR/HEADPHONE-R A21 LINE-FR/HEADPHONE-R
FMP1629
DISP-CL A26 DISP-CL
FMP1630
DISP-EN A35 DISP-EN
+A
R2002CH
RUE160
+A-CD A2 +A-CD
TEL-GND A27 TEL-GND
TEL-NF A30 TEL-NF
FMP1631
CD-DA-OUT A29 CD-DA-OUT
FMP1632
CD-DA-IN A31 CD-DA-IN
LINE-RR/HEADPHONE-GND A22 LINE-RR/HEADPHONE-GND
FMP1633
REMOTE A25 REMOTE
FMP1634
DISP-DA A5 DISP-DA
CD-GND A34 CD-GND
CD-L A33 CD-L
CD-R A32 CD-R
REL-ON
BOOSTER-ON
ZUEND
ZUEND-P
+A
+14V
BEL-EXT
+U
+14V
ZUEND
T-MUTE
SCV
7
14V
CR2009GK
603
0R
FMP2008
3
1
B2
12
2
4.6V
C2006
100U/10V
15
4.8V
B1
5
14V
8
FMP2004
A13
CR1413S
603
1K0
A17 SCV1
CD2003JM
BAS16
A19 TEL-MUTE
CR2003
603
4K7
A15 KL.15
CD2002
FS1D
A9 +U1
A11 BEL-EXT
CC2007
100N
CC2009
100N
CC1405S
1N0
FMP2012
A3 KL.30
FMP2013
A4 KL.30
A7 GND
A1 GND
L2001
FMP2016
FMP2017
FMP2018
CD2001
MURS320T3
C2008V
3300UF
1636
1627
1628
1629
1630 2012
1631 2013
1632 2016
1613 1611 1614 1612
1617 1615 1618 1616
2008
2004
1621 1619 1622 1620
1625 1623 1626 1624
1633 2017
1634 2018
31.03.96

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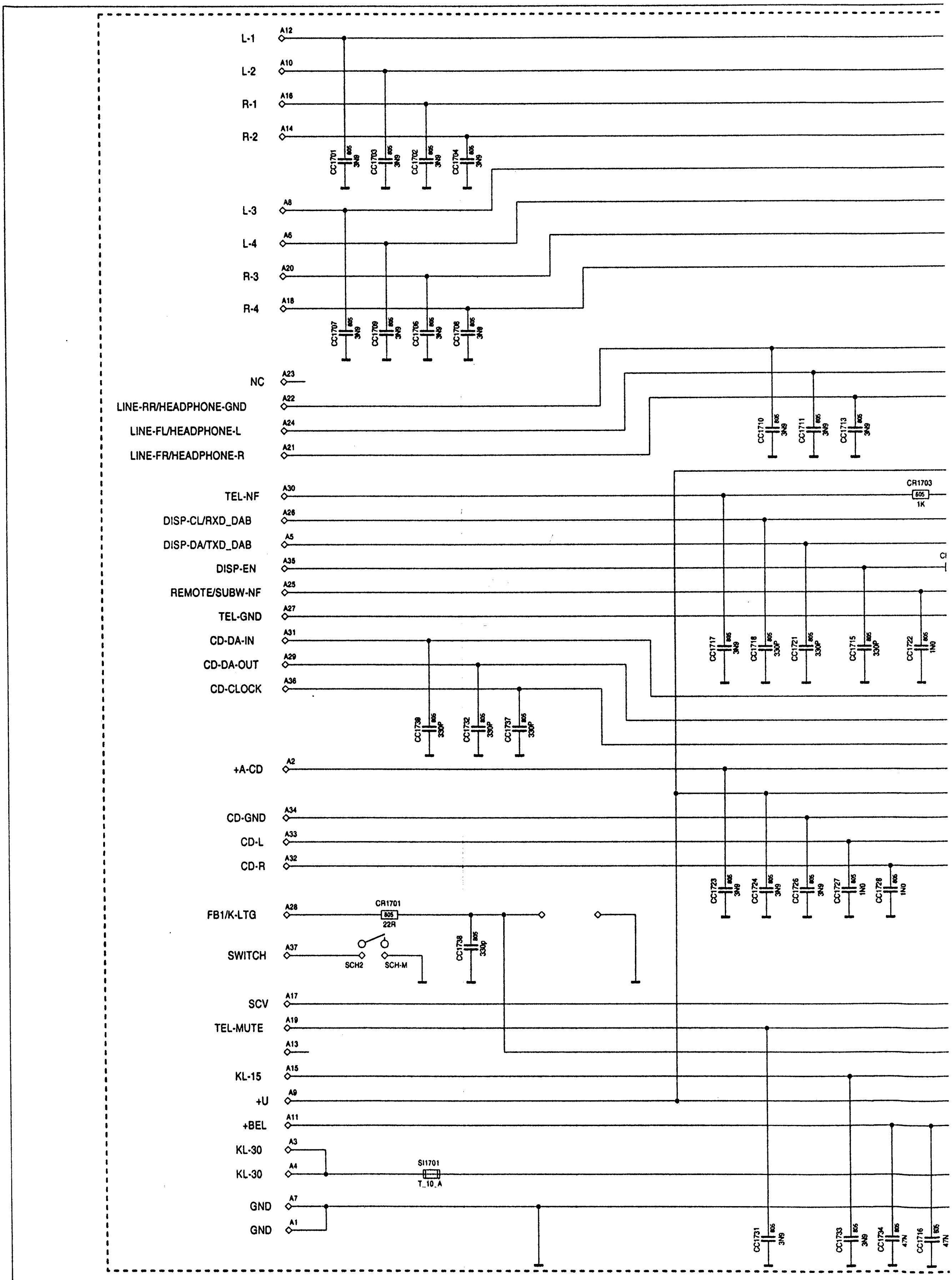
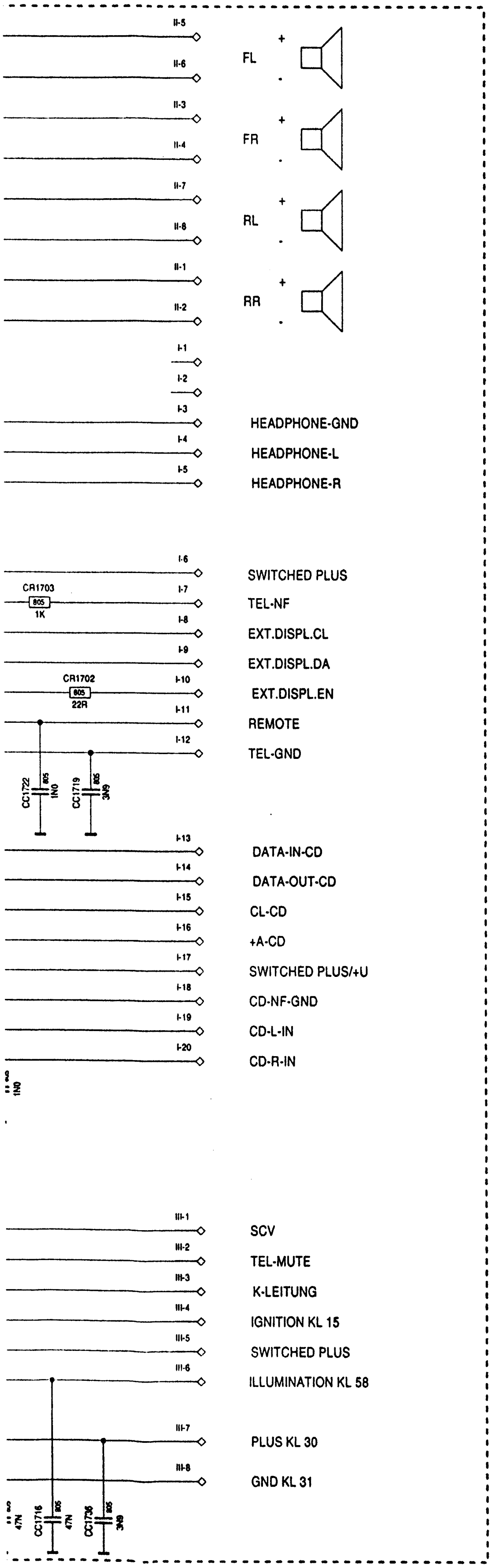
Anschlußplatte / Connection Board


L-1
A12
L-2
A10
R-1
A16
R-2
A14
CC1701 805 3N9
CC1703 805 3N9
CC1702 805 3N9
CC1704 805 3N9
L-3
A8
L-4
A6
R-3
A20
R-4
A18
CC1707 805 3N9
CC1709 805 3N9
CC1706 805 3N9
CC1708 805 3N9
NC
A23
LINE-RR/HEADPHONE-GND
A22
LINE-FL/HEADPHONE-L
A24
LINE-FR/HEADPHONE-R
A21
CC1710 805 3N9
CC1711 805 3N9
CC1713 805 3N9
TEL-NF
A30
CR1703 805 1K
DISP-CL/RXD_DAB
A26
DISP-DA/TXD_DAB
A5
DISP-EN
A35
Cl
REMOTE/SUBW-NF
A25
TEL-GND
A27
CD-DA-IN
A31
CD-DA-OUT
A29
CD-CLOCK
A36
CC1717 805 3N9
CC1718 805 330P
CC1721 805 330P
CC1715 805 330P
CC1722 805 1N0
CC1739 805 330P
CC1732 805 330P
CC1737 805 330P
+A-CD
A2
CD-GND
A34
CD-L
A33
CD-R
A32
CC1723 805 3N9
CC1724 805 3N9
CC1726 805 3N9
CC1727 805 1N0
CC1728 805 1N0
FB1/K-LTG
A28
CR1701 805 22R
SWITCH
A37
SCH2
SCH-M
CC1738 805 330p
SCV
A17
TEL-MUTE
A19
A13
KL-15
A15
+U
A9
+BEL
A11
KL-30
A3
KL-30
A4
SI1701
T_10_A
GND
A7
GND
A1
CC1731 805 3N9
CC1733 805 3N9
CC1734 805 47N
CC1716 805 47N

MESSPUNKTE	◇
ABGLEICHPUNKTE	○

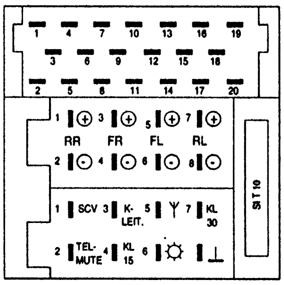

II-5
II-6
FL
+
-
II-3
II-4
FR
II-7
II-8
RL
II-1
II-2
RR
I-1
I-2
I-3
HEADPHONE-GND
I-4
HEADPHONE-L
I-5
HEADPHONE-R
I-6
SWITCHED PLUS
CR1703
805
1K
I-7
TEL-NF
I-8
EXT.DISPL.CL
I-9
EXT.DISPL.DA
CR1702
805
22R
I-10
EXT.DISPL.EN
I-11
REMOTE
I-12
TEL-GND
CC1722
805
1N0
CC1719
805
3N9
I-13
DATA-IN-CD
I-14
DATA-OUT-CD
I-15
CL-CD
I-16
+A-CD
I-17
SWITCHED PLUS/+U
I-18
CD-NF-GND
I-19
CD-L-IN
I-20
CD-R-IN
1N0
III-1
SCV
III-2
TEL-MUTE
III-3
K-LEITUNG
III-4
IGNITION KL 15
III-5
SWITCHED PLUS
III-6
ILLUMINATION KL 58
III-7
PLUS KL 30
III-8
GND KL 31
47N
CC1716
805
47N
CC1736
805
3N9

KAMMER I / SECTION I

1		11	REMOTE
2		12	TEL-GND
3	HEADPHONE-GND	13	DATA-IN-CD
4	HEADPHONE-L	14	DATA-OUT-CD
5	HEADPHONE-R	15	CL-CD
6	SWITCHED PLUS	16	+A-CD
7	TEL-NF	17	SWITCHED PLUS
8	EXT. DISPL. CL	18	CD-NF-GND
9	EXT. DISPL. DA	19	CD-L-IN
10	EXT. DISPL. EN	20	CD-R-IN

KAMMER II / SECTION II		KAMMER III / SECTION III	
1	RR+	1	SCV
2	RR-	2	TEL-MUTE
3	FR+	3	K-LEITUNG
4	FR-	4	IGNITION KL 15
5	FL+	5	SWITCHED PLUS
6	FL-	6	ILLUMINATION KL 58
7	RL+	7	PLUS KL 30
8	RL-	8	GROUND KL 31

ANSCHLUSSGEHAUESE
CONNECTION TERMINAL


1
4
7
10
13
16
19
3
6
9
12
15
18
2
5
8
11
14
17
20
RR
FR
FL
RL
SCV
K-
LEIT.
KL
30
TEL-
MUTE
KL
15
SI T 10

I = ZUSATZ-
ANSCHLUESSE
I = ADDITIONAL
CONNECTORS

II = LAUTSPRECHER-
ANSCHLUESSE
II= LOUDSPEAKER
CONNECTORS

III = VERSORGUNGS-
ANSCHLUESSE
III = SUPPLY
CONNECTORS

ANSCHLUSSPLATTE
CONNECTION BOARD

19373-127.00

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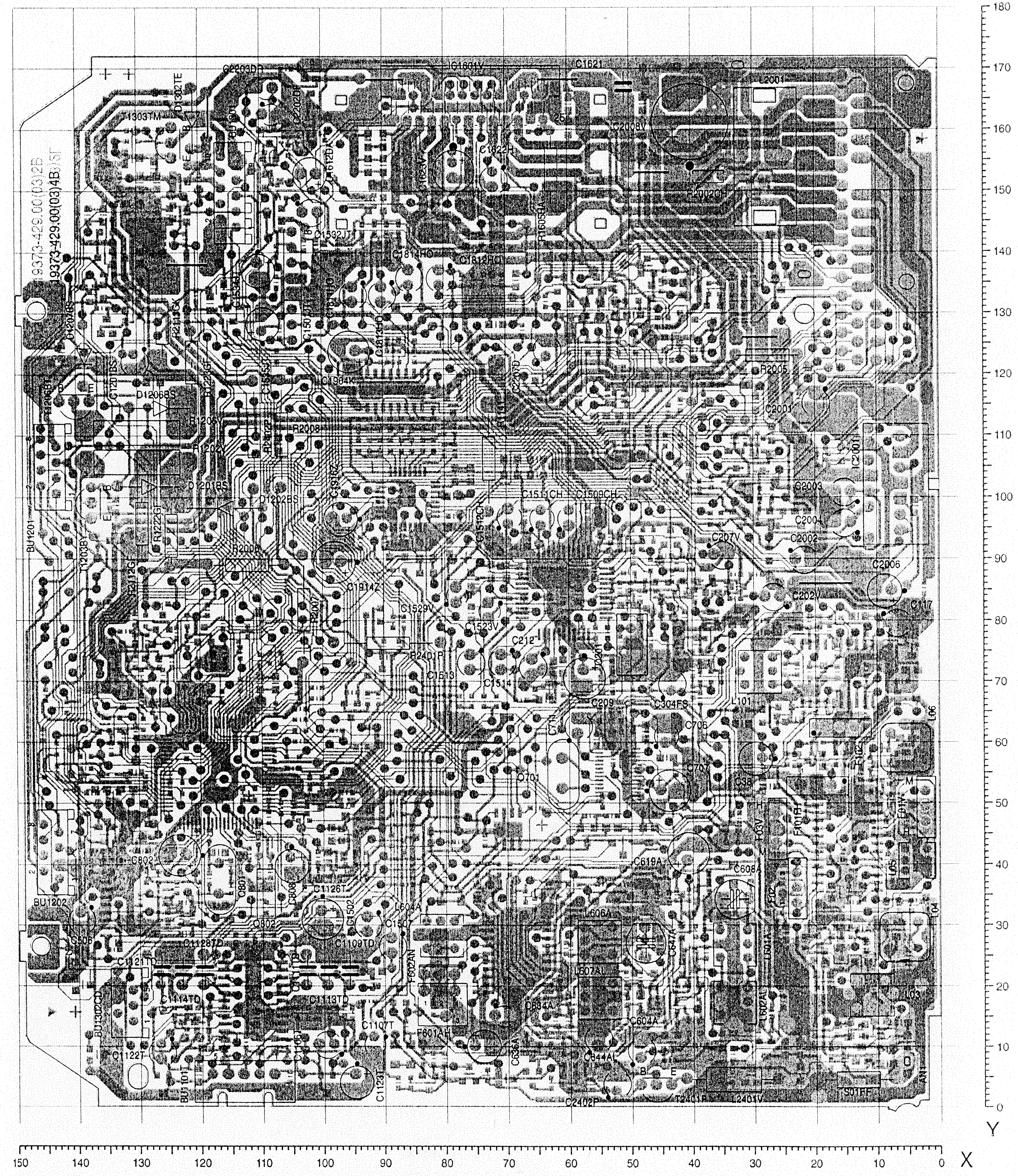
Hauptplatte / Main Board

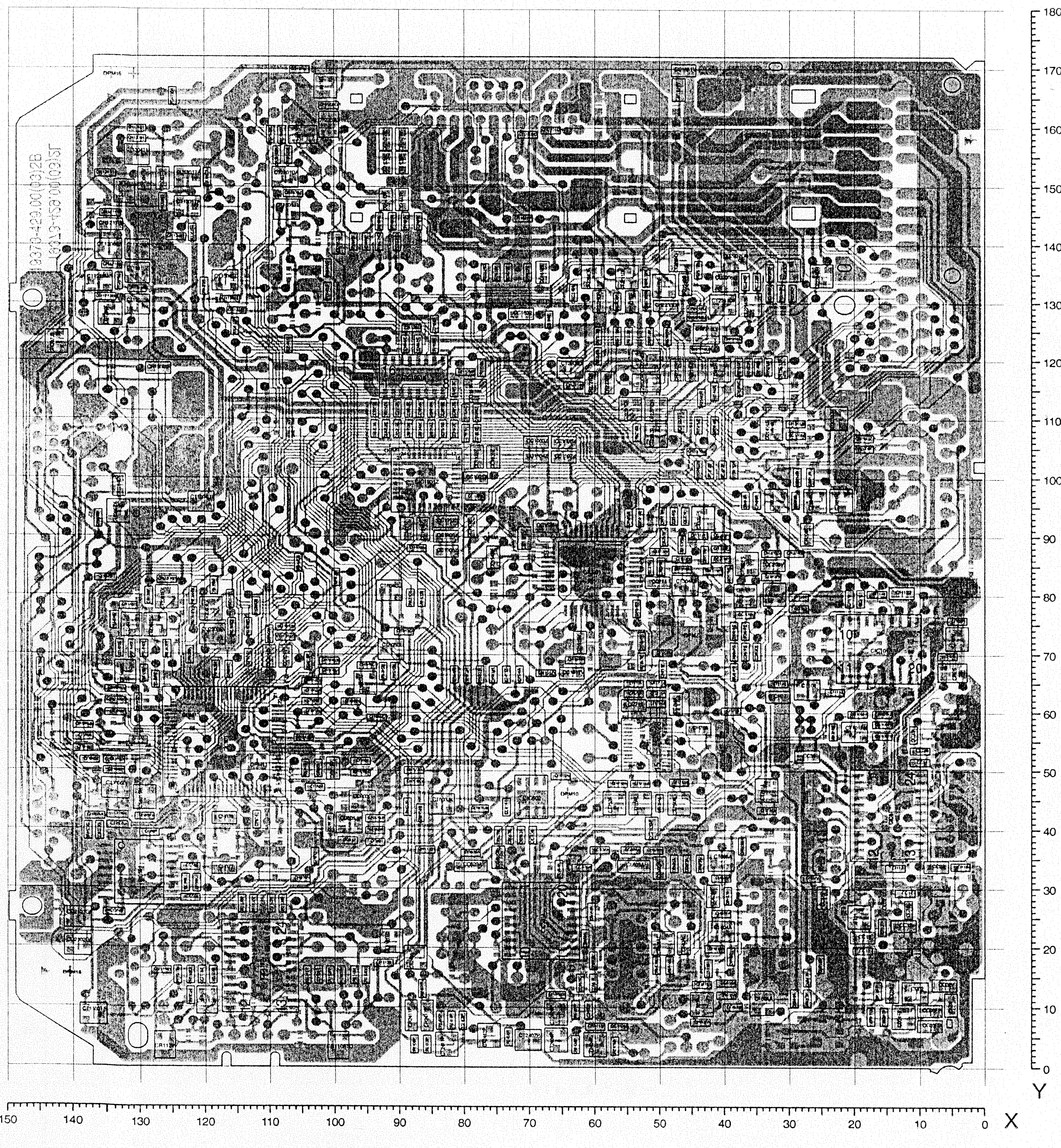
Bedrahtete Bauteile, Sicht auf Bestückungsseite / Wired Components, View on Component Side


19373-429.00(03)2B
19373-429.00(03)4B)ST
T1303TM
D1302TE
C2203DR
C2202DF
IC1601V
C1621
L2001
C2008V
C1622H
C1623V
C1612DA
R1605HA
R2002CH
C1532JT
C1814HO
C1812HO
C1534JT
C1535JT
IC1501JT
R2113GK
D1207BS
T1206BT
C1201BS
D1206BS
R1206V
R1202V
R1223GF
D1202BS
C1964K
C2207D
R2005
C2001
IC2001
R2008
R1222GF
T1203BY
D1201BS
C1916Z
C1511CH
C1509CH
C1512CH
C2003
C2004
C2002
C207V
C2006
C202V
C117
BU1201
R2112GF
R2006
R2007
C1914Z
C1529V
C1523V
C212
R2401P
C1513
C1514
C209
C304FS
L101
C706
C711
Q701
C707
C38
F101FH
F102
L06
F01V
F03V
C619A
C608A
L05
C802
C808
C1126T
C1502
L604A
L606A
C647A
L601A
L04
BU1202
C506
C1128TD
C1109TD
C1507
C1121TD
C1114TD
C1113TD
F602AN
L607AL
L602AL
L03
BU1302CD
C1107T
F601AH
C634A
C604A
C1106T
C636A
C644AL
C1122T
BU1101T
C1123T
C2402P
T2401P
L2401V
S01FF
AN01
Y
X
180
170
160
150
140
130
120
110
100
90
80
70
60
50
40
30
20
10
0
150
140
130
120
110
100
90
80
70
60
50
40
30
20
10
0

Bauteil Component	X	Y
AN01	8	11
BU1101T	113	4
BU1201	144	105
BU1202	144	42
BU1301	115	150
BU1302CD	132	17
C38	30	57
C117	7	79
C202V	27	84
C207V	35	91
C209	58	71
C212	66	72
C304FS	43	70
C506	140	31
C604A	48	9
C608A	33	34
C619A	41	42
C634A	71	15
C636A	74	10
C644AL	56	11
C647A	48	27
C706	44	61
C707	44	52
C711	58	62
C802	123	41
C808	105	40
C1106T	99	10
C1107T	92	10
C1109TD	96	23
C1111TD	103	23
C1113TD	99	23
C1114TD	123	23
C1121TD	126	23
C1122T	126	9
C1123T	95	4
C1126T	100	31
C1128TD	119	23
C1201BS	130	122
C1502	93	30
C1507	89	26
C1509CH	60	96
C1511CH	64	96
C1512CH	69	97
C1513	76	73
C1514	71	73
C1523V	73	82
C1529V	78	84
C1532JT	101	146
C1534JT	110	137
C1535JT	109	128
C1612DA	102	153
C1621	51	167
C1622H	72	152
C1623V	78	154
C1811HO	95	133
C1812HO	81	136
C1813HO	90	133
C1814HO	86	136
C1914Z	98	90
C1916Z	97	96
C1964K	95	124
C2001	20	115
C2002	22	90
C2003	15	101
C2004	15	96
C2006	9	85
C2008V	40	161
C2202DF	108	162
C2203DR	109	167
C2207D	63	124
C2402P	53	4
D1201BS	128	102
D1202BS	116	98
D1206BS	126	115
D1207BS	139	123
D1302TE	121	162
F01V	2	49
F02	23	36
F03V	26	46
F101FH	20	53
F102	16	62
F601AH	81	17
F602AN	81	22
IC1501JT	105	134
IC1601V	76	166
IC2001	7	102
L03	11	18
L04	6	28
L05	4	41
L06	6	59
L101	29	71
L601A	33	27
L602AL	33	17
L604A	81	28
L606A	55	27
L607AL	55	18
L2001	28	156
L2401V	33	4
Q201	50	76
Q701	61	55
Q801	117	37
Q802	109	36
R1141	73	106
R1202V	130	106
R1206V	130	110
R1222GF	125	94
R1223GF	121	122
R1605HA	63	153
R2002CH	37	152
R2005	28	123
R2006	112	89
R2007	103	82
R2008	107	110
R2112GF	129	96
R2113GK	126	128
R2401P	89	76
R2402P	111	110
S01FF	13	4
T1203BY	138	99
T1206BT	140	115
T1303TM	125	158
T2401P	46	3

Hauptplatte / Main Board

SMD-Bauteile, Sicht auf Bestückungsseite / SMD Components, View on Component Side


180
170
160
150
140
130
120
110
100
90
80
70
60
50
40
30
20
10
0
Y
150
140
130
120
110
100
90
80
70
60
50
40
30
20
10
0
X

Für die tatsächliche Bauteilbestückung ist das Schaltbild maßgebend!
The circuit diagram is relevant for the actual component assembly!

Hauptplatte / Main Board

Koordinaten der SMD-Bauteile auf der Bestückungsseite / Coordinates of the SMD Components on the Component Side

Bauteil Component	X	Y
CC01	5	11
CC02V	6	14
CC03FP	9	7
CC04	14	13
CC06FP	9	9
CC07V	25	28
CC11	19	20
CC12	13	24
CC13	19	22
CC14	12	29
CC16	12	26
CC24	8	34
CC33	11	56
CC34	10	51
CC36	10	54
CC39	27	52
CC101FH	16	58
CC116	19	79
CC203V	33	85
CC204	46	93
CC214	50	82
CC216	52	85
CC302FS	37	71
CC303FS	35	71
CC306FS	37	77
CC309FS	41	86
CC312	28	78
CC313FS	41	90
CC314FS	48	93
CC501	122	28
CC502	134	26
CC508	123	31
CC509	122	34
CC606A	39	10
CC612A	27	15
CC613A	43	16
CC614A	40	14
CC622A	50	34
CC623A	46	34
CC624A	54	36
CC628A	42	29
CC629A	79	34
CC633V	71	39
CC635V	75	35
CC637A	59	36
CC643AL	46	21
CC646A	62	34
CC651A	60	14
CC652A	62	14
CC654A	65	33
CC702GF	51	40
CC704	69	39
CC713	54	61
CC714	51	65
CC715A	51	63
CC716A	48	62
CC812	98	38
CC813	105	50
CC814	73	44
CC819V	100	50
CC821D	110	70
CC822JG	136	40
CC823P	101	41
CC826V	108	70
CC1108T	102	15
CC1119T	120	15
CC1401S	133	71
CC1405S	29	107
CC1501JE	53	93
CC1503JR	76	66
CC1504JR	81	66
CC1506A	72	66
CC1508JE	55	93
CC1517V	63	67
CC1519V	62	72
CC1526V	68	92
CC1527V	71	90
CC1537JT	47	110
CC1538JT	38	116
CC1541V	76	87
CC1542JT	35	119
CC1601	99	140
CC1602	71	128
CC1603V	87	144
CC1604V	95	141
CC1605HT	105	170
CC1607V	73	135
CC1611V	90	148
CC1613V	92	148
CC1618V	68	135
CC1626H	92	154
CC1627V	92	158
CC1631V	46	170
CC1901Z	78	100
CC1902Z	79	92
CC1903Z	69	106
CC1904Z	69	103
CC1906Z	65	106
CC1907Z	65	103
CC1908Z	83	87
CC1909Z	83	90
CC1911Z	73	66
CC1912Z	83	92
CC1917Z	89	91
CC1918Z	86	91
CC1922Z	83	108
CC1923Z	81	108
CC1927Z	78	108
CC1928Z	80	108
CC1929Z	78	97
CC1931Z	76	103
CC1932Z	78	103
CC1951K	94	112
CC1952K	90	112
CC1953K	92	108
CC1954K	87	112
CC1956K	83	112
CC1957K	81	112
CC1958K	85	112
CC1959K	89	112
CC1962K	87	123
CC1965K	84	126
CC1966K	89	123
CC2401P	57	7
CC2403P	80	8
CC2404P	61	9
CD01FP	13	8
CD02	11	13
CD06V	4	73
CD801JF	98	41
CD803GK	96	45
CD806GF	134	47
CD901R	22	96
CD1204V	134	128
CD1301TA	123	151
CD1401S	33	109
CD1601HT	101	167
CD2003JM	23	110
CD2101GF	139	25
CD2102GF	139	20
CD2201DR	51	112
CD2202DF	54	112
CD2204DR	25	135
CD2206DF	40	134
CD2207DR	38	137
CD2302EV	119	73
CIC01	15	42
CIC101	16	71
CIC201	61	84
CIC501	130	33
CIC601A	68	25
CIC701	52	55
CIC801	117	55
CIC802	70	46
CIC1101V	111	17
CIC1901Z	86	100
CIC1951K	88	117
CL02	16	28
CL603A	54	34
CR01	18	8
CR02FP	16	13
CR03FQ	15	8
CR07V	27	32
CR12	16	23
CR16	4	34
CR17	14	34
CR26	5	67
CR27	32	63
CR28	6	70
CR29FL	4	76
CR104FH	16	56
CR106FH	20	60
CR107FH	16	60
CR108FH	23	57
CR113	23	64
CR114	32	65
CR118	16	80
CR119	21	79
CR122	13	81
CR201	53	78
CR202V	33	83
CR203GK	33	87
CR206V	50	85
CR207V	47	86
CR208V	49	70
CR209V	50	87
CR211V	49	67
CR212V	43	87
CR213V	49	90
CR214V	49	93
CR224GF	29	87
CR302FS	37	74
CR304FS	38	67
CR306FS	38	71
CR307FS	38	74
CR311FS	39	84
CR313FS	47	89
CR314	28	80
CR316FS	41	88
CR317FS	44	90
CR318FS	42	84
CR319FS	47	84
CR501	121	31
CR607A	44	8
CR608A	29	12
CR612A	25	17
CR613V	27	12
CR614A	40	12
CR618A	43	14
CR619A	42	20
CR621A	41	26
CR622A	39	18
CR626A	41	32
CR627A	40	29
CR628A	37	37
CR629A	44	34
CR631A	48	34
CR632A	51	36
CR636A	79	36
CR638V	75	39
CR643AL	51	17
CR644AL	48	17
CR646A	61	26
CR647A	60	18
CR648A	62	21
CR653V	73	39
CR702V	65	49
CR703	39	60
CR705	54	65
CR706	54	63
CR707A	51	62
CR708	44	57
CR709AL	50	45
CR711A	53	48
CR712A	57	48
CR713A	47	48
CR714A	33	43
CR802CU	86	79
CR803	133	42
CR804V	129	42
CR805JK	78	44
CR806JG	133	41
CR807	128	39
CR814	112	41
CR815JK	87	43
CR817	103	35
CR818V	105	31
CR820CU	88	79
CR821	94	38
CR824P	94	40
CR826JF	94	42
CR827	103	47
CR829	102	50
CR830V	128	80
CR832GK	88	48
CR833HT	96	50
CR834	96	51
CR835DF	118	82
CR837V	122	70
CR839CU	93	67
CR840V	108	74
CR841CU	105	56
CR842V	110	73
CR843CU	89	74
CR844GS	106	86
CR848CU	95	68
CR849V	98	62
CR850CU	91	67
CR851V	103	60
CR852	103	62
CR853A	103	64
CR855CU	94	59
CR857DR	103	65
CR858DF	101	67
CR859DR	101	69
CR861DF	104	69
CR862JG	138	40
CR863JG	137	42
CR867	113	69
CR868T	116	67
CR869JF	89	44
CR870V	136	93
CR872GF	88	50
CR873T	135	83
CR876	100	83
CR877	117	33
CR878	117	42
CR883V	134	50
CR884JZ	134	64
CR886TM	118	67
CR888S	134	60
CR889JM	139	58
CR890	134	51
CR893D	130	62
CR895T	138	51
CR896	139	56
CR899T	139	54
CR907R	37	96
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CR909R	29	96
CR911R	29	100
CR913R	27	100
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CR1108TD	99	3
CR1109V	101	15
CR1111T	104	15
CR1127T	119	15
CR1128V	122	15
CR1129V	126	3
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CR1132V	122	12
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CR1134V	108	27
CR1135V	110	27
CR1136V	114	27
CR1137V	113	27
CR1138V	120	11
CR1139T	93	17
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CR1143V	127	16
CR1201GF	108	73
CR1204BY	133	99
CR1208BT	127	118
CR1209JB	112	78
CR1213BN	135	131
CR1214BS	134	145
CR1216BS	134	136
CR1217BS	134	143
CR1218BS	130	132
CR1219BS	133	134
CR1221BS	113	74
CR1301TA	122	142
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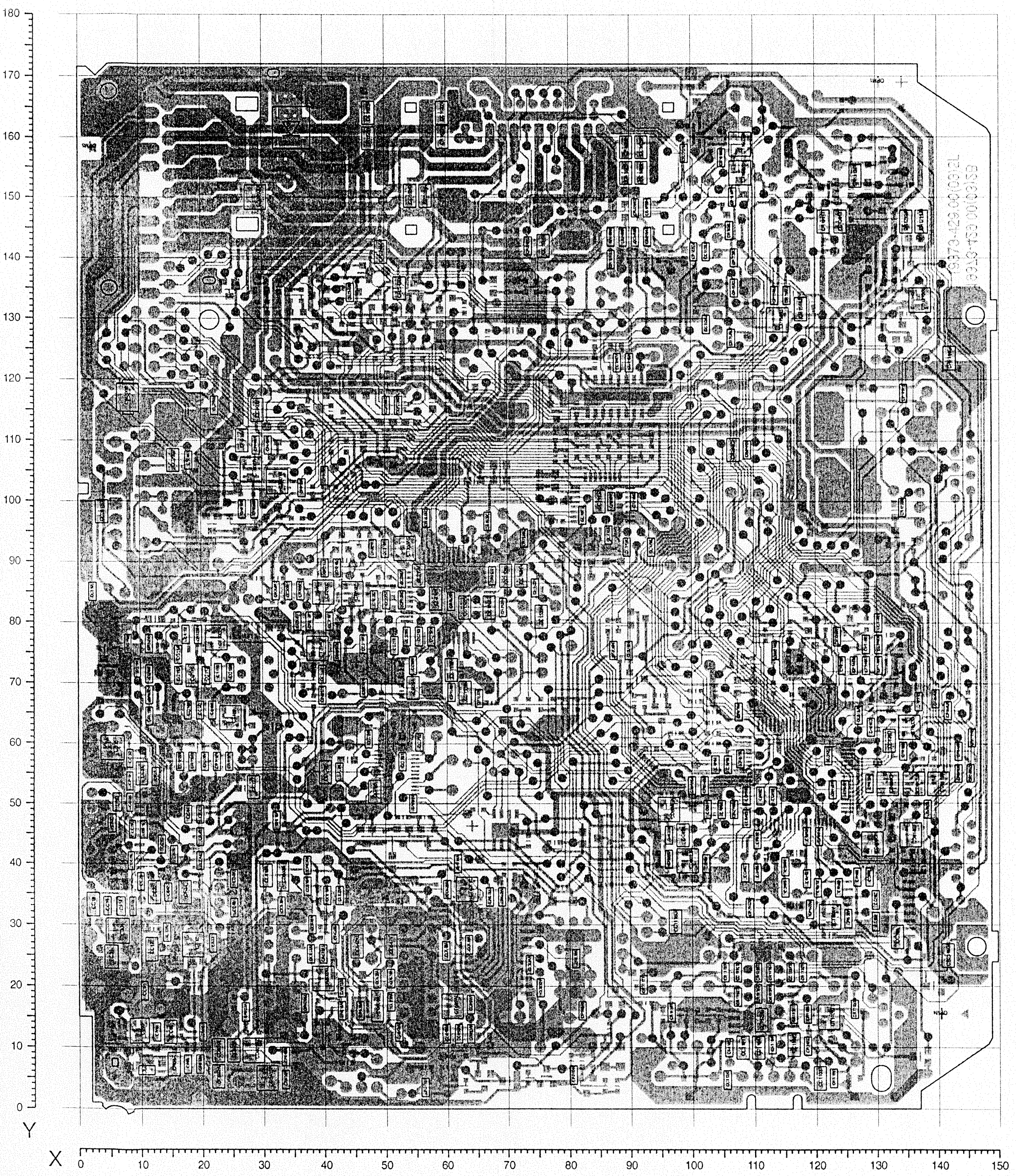
CR1313TE	135	152
CR1314TM	115	126
CR1316TE	115	128
CR1319TE	130	160
CR1321TC	116	131
CR1322V	120	133
CR1404S	134	76
CR1406S	127	66
CR1407S	132	78
CR1408S	129	71
CR1409S	131	71
CR1412S	129	66
CR1413S	29	109
CR1502JR	78	66
CR1503JR	80	66
CR1504JE	42	109
CR1506CH	44	101
CR1507CH	38	101
CR1512V	42	101
CR1513V	40	101
CR1515JE	44	109
CR1517V	68	67
CR1518V	63	69
CR1533JE	44	104
CR1535JT	106	149
CR1541JT	101	136
CR1542JT	101	132
CR1546JT	107	123
CR1548JT	43	114
CR1549JT	42	115
CR1551JT	33	119
CR1552JT	36	119
CR1553JT	31	119
CR1554JT	38	119
CR1556V	53	72
CR1557V	53	69
CR1601	130	55
CR1602	67	127
CR1603V	91	144
CR1604V	89	144
CR1606V	93	144
CR1607V	97	141
CR1610DA	125	165
CR1611V	75	135
CR1612V	70	135
CR1614HL	71	144
CR1617DA	107	155
CR1618DA	109	155
CR1621V	47	167
CR1626H	90	154
CR1627V	90	158
CR1811HO	93	141
CR1812HO	77	135
CR1813HO	90	141
CR1908Z	87	88
CR1909Z	80	111
CR1911Z	85	108
CR1913Z	87	108
CR1914Z	78	111
CR1951K	94	108
CR1952K	92	112
CR1953K	89	108
CR1954K	90	108
CR1956K	77	119
CR1957K	81	115
CR1958K	80	118
CR1959K	84	123
CR1961K	88	126
CR2001	27	91
CR2009GK	19	105
CR2011GF	19	107
CR2109GA	134	62
CR2117GG	145	67
CR2201DH	67	160
CR2202DF	110	159
CR2205DL	70	159
CR2206DR	108	159
CR2208DR	101	164
CR2209DR	49	124
CR2211DR	57	124
CR2212V	55	124
CR2213V	52	124
CR2214D	63	116
CR2216D	59	121
CR2217D	59	124
CR2218D	53	108
CR2219DR	45	118
CR2221DR	61	116
CR2222V	47	118
CR2223V	58	116
CR2224DR	63	132
CR2226DR	59	130
CR2227DR	52	134
CR2228DR	46	133
CR2229DF	57	130
CR2231DF	54	130
CR2232DR	52	131
CR2233DR	49	129
CR2234DF	37	134
CR2236DF	33	135
CR2237DF	35	134
CR2238DF	31	132
CR2239DF	30	132
CR2241DF	39	124
CR2242DR	44	129
CR2243DR	44	127
CR2244DR	44	122
CR2246DR	33	132
CR2251DB	44	136
CR2302EV	126	71
CR2304EV	126	83
CR2309EV	122	80
CR2311EV	122	76
CR2312EV	116	79
CR2316EV	116	74
CR2403P	66	12
CR2405P	84	8
CR2406P	63	9
CR2407P	86	13
CR2408P	88	4
CR2409P	73	5
CR2411P	88	8
CR2412P	86	8
CR2413P	86	4
CR2414P	82	8
CR2415P	60	7
CR2416P	57	3
CR2420P	63	4
CT01	19	25
CT101FH	20	57
CT104	27	64
CT201	32	80
CT301FS	37	80
CT302FS	37	86
CT303FS	43	93
CT304FS	46	82
CT601A	34	11
CT603A	43	11
CT604A	41	23
CT606A	41	35
CT608AL	49	21
CT701A	33	47
CT702A	57	45
CT703AL	53	45
CT704AL	47	45
CT801CH	129	45
CT803JK	84	44
CT804CU	91	81
CT805CU	91	71
CT806CU	95	65
CT903R	32	96
CT904R	26	96
CT1101TD	91	21
CT1103TS	137	8
CT1201BN	130	129
CT1202BY	133	94
CT1204BT	120	96
CT1207JB	142	123
CT1208BS	135	139
CT1209BS	130	139
CT1211BS	130	135
CT1212BS	136	134
CT1301TA	123	146
CT1302TM	132	149
CT1304TM	130	155
CT1306TC	117	134
CT1401S	131	75
CT1402S	132	67
CT1501JT	107	146
CT1502JT	41	118
CT1601DA	108	151
CT1951K	78	115
CT2201DF	105	159
CT2202DR	101	160
CT2203DR	52	116
CT2204DF	52	120
CT2206D	64	119
CT2207D	51	107
CT2208DR	60	135
CT2209DR	47	137
CT2211DF	55	135
CT2212DR	49	133
CT2213DF	30	136
CT2214DF	36	130
CT2216DR	43	125
CT2217DR	40	130
CT2301EV	126	79
CT2302EV	127	75
CT2303EV	119	77
CT2404P	60	4
CT2406P	66	4
CT2407P	70	4
CT2408P	66	9
CT2409P	88	18
CT2411P	83	4
CT2412P	76	5
OPM06	6	163
OPM07	46	74
OPM08	76	90
OPM09	91	105
OPM10	64	46
OPM11	112	51
OPM13	123	60
OPM14	141	16
OPM15	141	16
OPM16	134	169

Hauptplatte / Main Board

SMD-Bauteile, Sicht auf Lötseite / SMD Components, View on Solder Side


180
170
160
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110
120
130
140
150

Für die tatsächliche Bauteilbestückung ist das Schaltbild maßgebend!
The circuit diagram is relevant for the actual component assembly!

Hauptplatte / Main Board

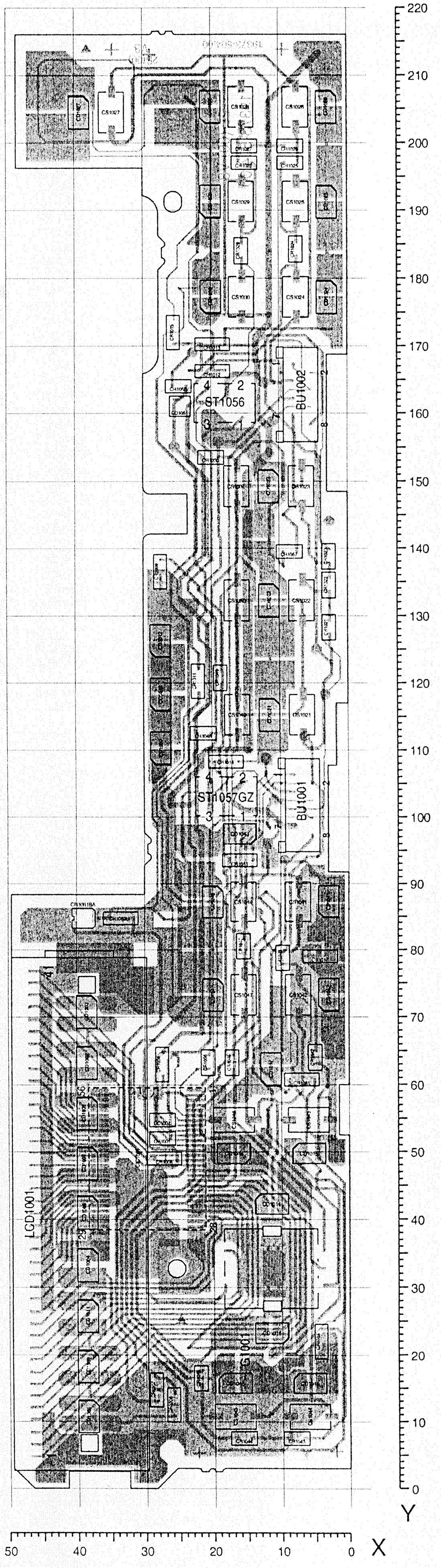
Koordinaten der SMD-Bauteile auf der Lötseite / Coordinates of the SMD Components on the Solder Side

Bauteil Component	X	Y
CC08	15	13
CC09	10	19
CC17	12	26
CC18	2	33
CC19	5	33
CC21	5	25
CC22	12	35
CC23	10	37
CC26	8	50
CC27	14	43
CC28	8	41
CC29	9	46
CC31	10	55
CC32	8	58
CC37	28	53
CC41	18	48
CC42	15	35
CC43	20	41
CC44	25	37
CC46	25	33
CC102FH	16	57
CC103	11	71
CC104	10	73
CC106	18	66
CC107	20	66
CC108	22	66
CC109	25	72
CC111	19	71
CC112	16	71
CC113	21	71
CC114	16	75
CC118	8	77
CC119V	2	85
CC201	53	78
CC208	54	73
CC211	52	76
CC213	56	78
CC217V	56	88
CC219V	58	84
CC222Z	53	87
CC223Z	50	84
CC301FS	40	71
CC307FS	36	80
CC308FS	34	85
CC316FS	41	80
CC317FS	47	77
CC318FS	50	92
CC503	130	31
CC504	133	28
CC507	130	34
CC601V	23	9
CC602A	23	5
CC603A	25	9
CC607A	38	30
CC609A	33	33
CC611AL	38	25
CC616A	37	36
CC617A	30	38
CC618A	41	35
CC621A	43	35
CC626A	51	18
CC627AL	60	36
CC631A	73	23
CC632V	75	20
CC638A	48	21
CC639A	63	27
CC641V	51	26
CC642AL	45	26
CC648A	60	26
CC649V	64	17
CC653AL	62	12
CC701	53	57
CC705	40	55
CC708	48	52
CC709	47	61
CC712	56	60
CC801	129	38
CC803	115	36
CC804	115	40
CC806	110	39
CC807	108	39
CC809	102	40
CC811	102	49
CC815JG	127	65
CC816	113	51
CC817	109	51
CC818	98	45
CC824D	132	61
CC827	122	58
CC901V	29	115
CC1101T	108	10
CC1102T	116	11
CC1103T	120	5
CC1104T	110	10
CC1112TD	107	22
CC1116GF	97	31
CC1124T	106	5
CC1127TD	116	22
CC1129GF	111	15
CC1301TE	124	146
CC1402S	130	80
CC1403S	130	77
CC1516V	63	69
CC1518V	61	72
CC1521	58	78
CC1522V	63	83
CC1524V	67	83
CC1528V	70	88
CC1531V	72	88
CC1533JT	102	141
CC1536JT	102	129
CC1539V	76	81
CC1606V	91	143
CC1616V	76	142
CC1628H	92	154
CC1629H	92	158
CC1632V	59	164
CC1633V	48	164
CC1634V	54	150
CC1913Z	85	100
CC1919Z	86	94
CC1921Z	82	98
CC1924Z	90	92
CC1926Z	94	92
CC1961K	88	123
CC1963K	90	123
CC2007	15	107
CC2009	22	116
CC2011GF	4	98
CC2204DR	52	116
CC2206DF	50	116
CD03	10	13
CD04	6	29
CD05	5	59
CD601FZ	28	9
CD602A	33	38
CD603A	48	17
CD802JF	99	41
CD804GK	96	49
CD808CH	129	43
CD809CH	132	53
CD811JM	140	53
CD812JM	136	53
CD814GF	135	45
CD1213BS	137	133
CD1501JT	114	130
CD2001	35	161
CD2002	8	117
CD2203DF	29	150
CD2401P	30	5
CL01	11	6
CR04A	15	7
CR06	18	7
CR08	20	13
CR09	13	13
CR11	14	29
CR13	9	33
CR14	7	33
CR18	10	46
CR19	8	54
CR21	13	55
CR22	5	47
CR23	6	50
CR24	15	41
CR31	20	48
CR32	20	45
CR33	22	27
CR34	17	35
CR101FN	23	57
CR102FH	25	57
CR103FH	19	57
CR109V	20	57
CR111V	11	65
CR112V	11	68
CR116	23	72
CR117	18	78
CR121FK	20	78
CR123FL	11	77
CR204	54	69
CR216Z	42	89
CR217Z	40	89
CR222Z	53	84
CR223Z	48	84
CR226GF	42	75
CR301FS	40	68
CR303FS	47	69
CR308FS	36	85
CR309FS	32	85
CR312FS	38	80
CR321FS	48	92
CR502V	125	31
CR503V	119	33
CR602A	20	7
CR603A	27	16
CR604A	33	5
CR606A	33	8
CR609AM	37	17
CR611AM	40	25
CR616AL	43	16
CR617AL	43	20
CR623A	42	28
CR624A	37	40
CR633A	46	16
CR634A	62	40
CR637A	81	25
CR639A	51	21
CR641AL	67	35
CR642AL	52	13
CR645AH	82	16
CR649AL	60	12
CR651AL	64	12
CR652AL	69	35
CR701V	54	50
CR704	43	55
CR715F	32	47
CR801JI	120	45
CR808	127	38
CR809	124	36
CR810	138	49
CR811	120	36
CR812	118	37
CR813	118	45
CR816	110	44
CR819V	108	65
CR822	111	51
CR823	109	47
CR825V	124	73
CR828	105	49
CR831V	96	45
CR836HT	87	76
CR838GH	102	53
CR845V	143	59
CR846GF	109	109
CR847GM	100	53
CR854	104	56
CR856	106	56
CR860JG	140	67
CR864V	96	41
CR865JM	143	55
CR866JG	142	66
CR871V	108	58
CR874FS	90	76
CR875V	129	53
CR880CH	107	109
CR887D	129	63
CR891D	137	67
CR892D	134	59
CR897	125	52
CR901R	40	104
CR902R	37	102
CR903R	29	99
CR904R	31	109
CR906R	29	109
CR912R	27	99
CR919V	27	110
CR1101T	106	10
CR1102T	118	10
CR1103T	123	5
CR1104T	113	11
CR1112TD	107	18
CR1113TK	105	22
CR1114TD	110	19
CR1116TD	110	22
CR1117TD	92	20
CR1118TL	97	16
CR1119TD	113	22
CR1121TD	113	19
CR1122TK	118	22
CR1123TS	126	16
CR1124TD	116	16
CR1126T	118	16
CR1203BY	134	99
CR1207BT	134	118
CR1211JB	138	146
CR1212JB	135	146
CR1311TE	122	146
CR1312TM	127	153
CR1401S	128	73
CR1402S	128	77
CR1403S	130	73
CR1411S	126	73
CR1501V	123	52
CR1508CH	73	94
CR1509CH	67	97
CR1511CH	57	97
CR1514V	65	67
CR1516V	61	69
CR1519V	61	84
CR1521V	69	83
CR1522V	68	88
CR1523V	74	86
CR1534JT	93	143
CR1536JT	106	144
CR1537JT	100	141
CR1538JT	107	140
CR1539JT	107	127
CR1543JT	107	135
CR1544JT	118	132
CR1545JT	114	134
CR1547JT	116	134
CR1608V	87	143
CR1609V	89	143
CR1613HL	93	148
CR1616DA	105	157
CR1619DA	107	150
CR1622V	59	160
CR1623V	48	160
CR1624V	57	150
CR1628H	90	154
CR1629H	90	158
CR1814HO	87	140
CR1967Z	87	100
CR1968Z	91	100
CR2003	18	107
CR2101GA	145	55
CR2104GF	145	61
CR2107GF	109	33
CR2108GK	107	49
CR2114GK	142	124
CR2116GK	142	25
CR2203DF	73	142
CR2204DF	91	148
CR2207DR	99	157
CR2247DA	53	135
CR2248DB	49	141
CR2249DA	44	134
CR2308EV	124	78
CR2314EV	114	76
CR2404P	81	6
CR2417P	56	3
CT02	19	27
CT102FK	23	77
CT103	25	64
CT202Z	45	85
CT203Z	40	85
CT204GF	39	76
CT305FS	53	92
CT501V	122	31
CT602AL	40	21
CT607AL	63	36
CT609AL	61	17
CT802D	135	63
CT901R	33	103
CT902R	28	105
CT1102TS	122	15
CT1602DA	108	154
CT1603DA	108	159
OPM01	131	169
OPM04	141	16
OPM05	2	158

Bedienplatte / Operating Board

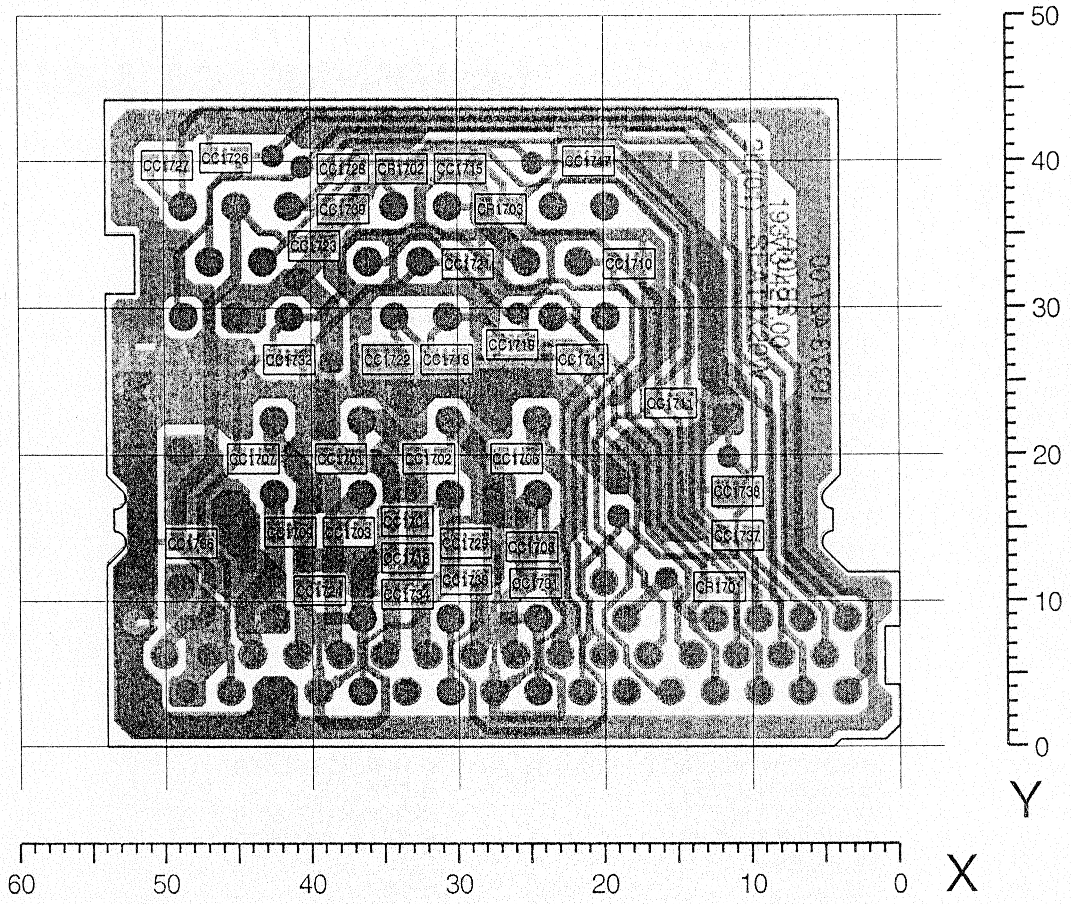
Sicht auf Bestückungsseite / View on Component Side

Bauteil Component	X	Y
BU1001	7	102
BU1002	7	163
CC1001	28	55
CD1001	39	56
CD1002	39	63
CD1003	39	71
CD1004	39	33
CD1006	39	41
CD1007	39	48
CD1008	39	11
CD1009	39	18
CD1011	39	26
CD1012	28	126
CD1013	28	118
CD1014	11	42
CD1015	6	50
CD1016	11	23
CD1017	11	62
CD1021	11	115
CD1022	11	132
CD1023	11	149
CD1024	3	177
CD1025	3	191
CD1026	3	205
CD1027	39	205
CD1028	20	205
CD1029	20	191
CD1030	20	177
CD1041	3	87
CD1042	3	73
CD1043	16	98
CD1044	6	16
CD1045	17	16
CD1046	17	50
CD1047	20	73
CD1048	20	87
CD1050	28	110
CD1051	25	161
CIC1001	30	49
CR1001	28	52
CR1004	28	63
CR1006	27	49
CR1007	28	15
CR1008	26	13
CR1009	28	136
CR1011	22	120
CR1012	20	166
CR1013	20	170
CR1014	18	108
CR1015	25	172
CR1016	4	22
CR1017	4	79
CR1021	3	128
CR1022	3	135
CR1023	3	139
CR1024	8	184
CR1025	8	197
CR1026	8	200
CR1027	15	200
CR1028	15	197
CR1029	15	184
CR1030	20	153
CR1041	10	79
CR1042	5	64
CR1043	8	8
CR1044	16	8
CR1045	22	16
CR1046	17	63
CR1047	15	81
CR1048	21	113
CR1049	19	121
CR1051	16	93
CR1052	25	164
CR1056	21	63
CR1057	9	139
CR1061	7	61
CR1061BA	39	85
CR1062BF	33	85
CS1021	7	115
CS1022	7	132
CS1023	7	149
CS1024	8	177
CS1025	8	191
CS1026	8	205
CS1027	35	205
CS1028	15	205
CS1029	15	191
CS1030	15	177
CS1031	16	149
CS1041	8	87
CS1042	8	73
CS1043	6	55
CS1044	6	11
CS1045	17	11
CS1046	17	55
CS1047	15	73
CS1048	15	87
CS1049	16	115
CS1050	16	132
G1001	11	33
LCD1001	40	41
ST1056	18	162
ST1057GZ	18	103



Anschlußplatte / Connection Board

Sicht auf Lötseite / View on Solder Side


CC1727
CC1726
CC1728
CR1702
CC1715
CC1717
CC1739
CR1703
CC1723
CC1721
CC1710
CC1732
CC1722
CC1718
CC1719
CC1713
CC1711
CC1707
CC1701
CC1702
CC1706
CC1738
CC1736
CC1709
CC1703
CC1704
CC1716
CC1729
CC1708
CC1737
CC1724
CC1734
CC1733
CC1731
CR1701
50
40
30
20
10
0
Y
60
50
40
30
20
10
0
X

Bauteil Component	X	Y
CC1701	38	19
CC1702	32	19
CC1703	38	14
CC1704	34	15
CC1706	26	19
CC1707	44	19
CC1708	25	14
CC1709	41	14
CC1710	18	33
CC1711	16	23
CC1713	21	26
CC1715	30	39
CC1716	34	13
CC1717	21	40
CC1718	31	26
CC1719	26	27
CC1721	29	33
CC1722	35	26
CC1723	40	34
CC1724	39	11
CC1726	46	40
CC1727	50	39
CC1728	38	39
CC1729	29	14
CC1731	25	11
CC1732	41	26
CC1733	29	11
CC1734	34	10
CC1736	48	14
CC1737	11	14
CC1738	11	17
CC1739	38	36
CR1701	12	11
CR1702	34	39
CR1703	27	36

GRUNDIG

CAR AUDIO

Ersatzteilliste
Spare Parts List

3 / 98

LAUFWERK LCA 3-3/1

SACH-NR. / PART NO.: 19723-040.00

POS. NR. POS. NO.	ABB. FIG.	SACHNUMMER PART NUMBER	ANZ. QTY.	BEZEICHNUNG (D)	DESCRIPTION (GB)
0008.000	1	72008-631.50		WICKELTELLER KPL.	REEL CPL.
0009.000	1	72008-631.17		CASSETTENLIFT KPL.	CASSETTENLIFT CPL.
0012.000	1	72008-631.65		HEBEL (REV) + RAD	LEVER + WHEEL
0013.000	1	72008-631.74		HEBEL + STEUERSCHEIBE	LEVER + CONTROL WASHER
0017.000	1	72008-398.07		A.R. HEBEL KPL.	AR-LEVER CPL.
0019.000	1	72008-397.24		FEDER	SPRING
0024.000	1	72008-631.24		SCHALTER PLAY	SWITCH PLAY
0029.000	1	72008-631.68		ZAHNRADPLATTE KPL.	GEAR WHEEL BOARD CPL.
0035.000	1	72008-398.09		HEBEL	LEVER
0036.000	1	72008-558.06		FEDER	SPRING
0039.000	1	72008-631.67		UMLENKROLLE	PIVOTING ROLLER
0044.000	1	72008-397.15		TONWELLENLAGER	CAPSTAN BEARING
0049.000	1	72008-397.16		SCHWUNGRADLAGER	FLYWHEEL BEARING
0054.000	1	72008-558.12		ANTRIEBS-RIEMEN	DRIVING BELT
0057.000	1	72008-558.13		SCHWUNGRAD KPL.	FLYWHELL
0058.000	1	72008-631.32		SCHWUNGRAD KPL.	FLYWHELL
0069.000	1	72011-077.10		FEDER KONTAKT	SPRING CONTACT
0072.000	1	72011-077.09		WICKELTELLER KPL./SCHWARZ	RELL CPL./ BLACK
0093.000	1	72008-631.06		ANKER	ANCHOR
0099.000	1	72008-631.07		MAGNETHALTERUNG	MAGNETIC HOLDER
0125.000	1	72011-077.00		AUSWURFHEBEL	EJECT LEVER
0126.000	1	72011-077.01		ABBLOCKHEBEL	BLOCKING LEVER
0296.000	1	72011-077.02		HALTER CASSETTE	HOLDER CASSETTE
0304.000	1	72011-077.03		SCHIEBER	SLIDER
0319.000	1	72011-077.04		FEDER	SPRING
0320.000	1	72008-631.02		MOTOR	MOTOR
0321.000	1	72011-077.05		SCHALTER MUTE	SWITCH MUTE
0329.000	1	72011-077.11		FEDER EJEKT	SPRING EJEKT
0330.000	1	72011-077.06		SCHALTER TRACK	SWITCH TRACK
0331.000	1	72011-077.07		MAGNETHALTER	SOLENOID HOLDER
0342.000	1	72011-077.12		BUEGELFEDER	BRACKET SPRING
0352.000	1	72011-077.14		FEDER TASTEN	SPRING BUTTON
0369.000	1	72011-077.16		WIEDERGABEKOPF KPL.	HEAD ASSY

Es gelten die Vorschriften und Sicherheitshinweise gemäß dem Service Manual "Sicherheit", Sach-Nummer 72010 800 0000, sowie zusätzlich die eventuell abweichenden, landesspezifischen Vorschriften!

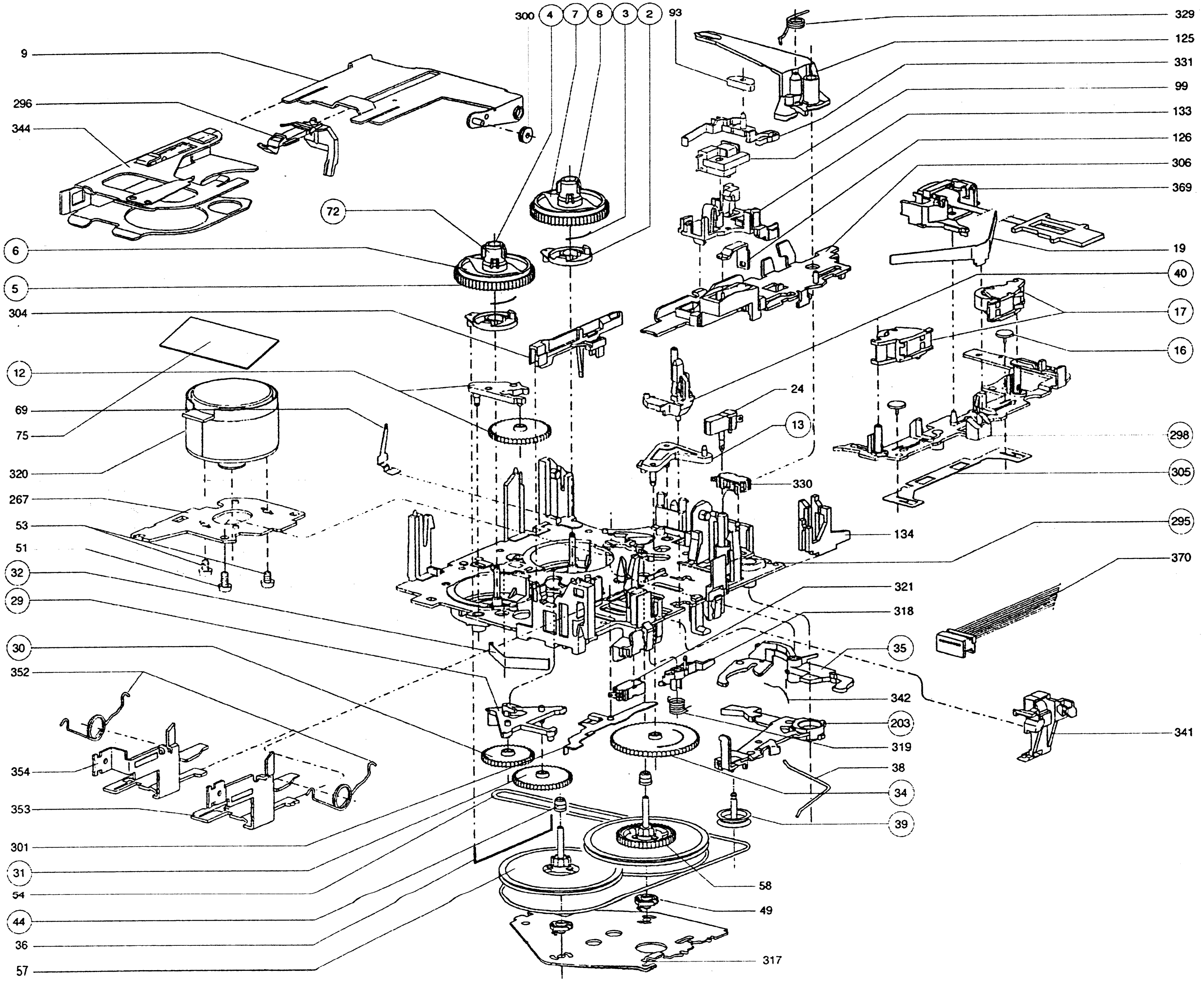
⚠ (!)

The regulations and safety instructions shall be valid as provided by the "Safety" Service Manual, part number 72010 800 0000, as well as the respective national deviations.

Btx *32700#

ÄNDERUNGEN VORBEHALTEN / SUBJECT TO ALTERATION

1



GRUNDIG

CAR AUDIO

Ersatzteilliste
Spare Parts List

3 / 2000

SEAT AURA V3

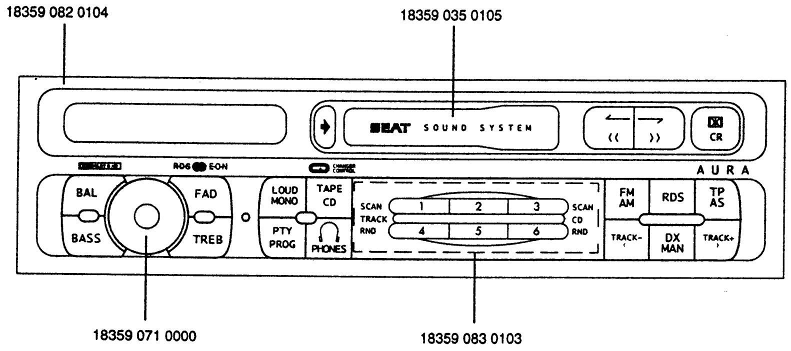
MATERIAL-NR. / PART NO.: 91835 983 5100
BESTELL-NR. / ORDER NO.: G.HL 18-00

POS. NR. POS. NO.	ABB. FIG.	MATERIAL-NR. PART NUMBER	ANZ. QTY.	BEZEICHNUNG Ⓓ	DESCRIPTION (GB)
		91835 983 5100		SEAT AURA V3 KEIN E-TEIL	SEAT AURA V3 NO SPARE PART
		72009 262 9900		SEAT AURA V3 **TAUSCHGERAET**	SEAT AURA V3 **EXCHANGE SET**
0002.000	2	18359 082 0104		BLENDE MONT.KPL	MASK MOUNT.CPL
0003.000	2	18359 035 0105		KLAPPE	FLAP
0004.000		18340 062 0001		DREHFEDER	TORSION SPRING
0005.000	2	18359 071 0000		DREHKNOPF	ROTARY KNOB
0008.000		18344 036 0400		DIFFUSOR	DIFFUSER
0020.000	2	18359 083 0103		BEDIENTEIL KPL	CONTROL UNIT CPL
0023.000		18359 090 0002		ETUI BEDIENTEIL	ETUI CONTROL UNIT
0025.000		19771 617 0100		ANSCHLUSSGEHAEUSE	CONNECTION TERMINAL
0027.000		18300 099 0100		ANTENNENBUCHSE KPL	ANTENNA SOCKET CPL
0032.000		18268 018 0000		EINBAUFEDER L	MOUNTING SPRING LHS
0033.000		18268 017 0000		EINBAUFEDER R	MOUNTING SPRING RHS
		19723 040 0000	X	LAUFWERK LCA 3.3-1 KEIN E-TEIL	DRIVE MECHANISM LCA 3.3-1 NO SPARE PART

X = SIEHE GESONDERTE E-LISTE

X = SEE SEPARATE PARTS LIST

2



ÄNDERUNGEN VORBEHALTEN / SUBJECT TO ALTERATION

POS. NR. POS. NO.	MATERIAL-NR. PART NUMBER	BEZEICHNUNG DESCRIPTION
C 00608	86999 981 1800	TR.54 5,5/30PF
C 02008	84532 421 1100	ELKO 3300UF 16V 105C RM5
CD 00002	83093 017 7900	SMD-DIODE BA 779
CD 00003	83253 258 0500	SMD KAP-DIODE BB804 II TE
CD 00004	83253 258 0500	SMD KAP-DIODE BB804 II TE
CD 00005	83253 258 0500	SMD KAP-DIODE BB804 II TE
CD 00006	83252 100 1600	SMD-DIODE BAS 16 PHI
CD 00601	83093 130 9900	SMD DIODE BAV99
CD 00602	83253 415 6100	SMD KAP-DIODE KV1561 DB3-
CD 00603	83253 415 6100	SMD KAP-DIODE KV1561 DB3-
CD 00803	83091 950 4200	SMD DIODE BAR42 SGS / BAT
CD 00804	83091 950 4200	SMD DIODE BAR42 SGS / BAT
CD 00811	83091 950 4200	SMD DIODE BAR42 SGS / BAT
CD 00812	83091 950 4200	SMD DIODE BAR42 SGS / BAT
CD 00901	83092 100 1600	SMD DIODE BAS16 AV215 -G8
CD 01001	83260 206 7700	SMD LE-DIODE LST676P1
CD 01001	83260 206 7900	SMD LE-DIODE LST676P2
CD 01002	83260 206 7900	SMD LE-DIODE LST676P2
CD 01002	83260 206 7700	SMD LE-DIODE LST676P1
CD 01003	83260 206 7900	SMD LE-DIODE LST676P2
CD 01003	83260 206 7700	SMD LE-DIODE LST676P1
CD 01004	83260 206 7700	SMD LE-DIODE LST676P1
CD 01004	83260 206 7900	SMD LE-DIODE LST676P2
CD 01006	83260 206 7700	SMD LE-DIODE LST676P1
CD 01006	83260 206 7900	SMD LE-DIODE LST676P2
CD 01007	83260 206 7700	SMD LE-DIODE LST676P1
CD 01007	83260 206 7900	SMD LE-DIODE LST676P2
CD 01008	83260 206 7700	SMD LE-DIODE LST676P1
CD 01008	83260 206 7900	SMD LE-DIODE LST676P2
CD 01009	83260 206 7700	SMD LE-DIODE LST676P1
CD 01009	83260 206 7900	SMD LE-DIODE LST676P2
CD 01011	83260 206 7700	SMD LE-DIODE LST676P1
CD 01011	83260 206 7900	SMD LE-DIODE LST676P2
CD 01012	83260 206 7000	SMD LE-DIODE LST670-K SI
CD 01012	83261 131 0100	SMD LE-DIODE TLMH3101 TE
CD 01013	83260 206 7000	SMD LE-DIODE LST670-K SI
CD 01013	83261 131 0100	SMD LE-DIODE TLMH3101 TE
CD 01014	83261 131 0100	SMD LE-DIODE TLMH3101 TE
CD 01014	83260 206 7000	SMD LE-DIODE LST670-K SI
CD 01015	83261 131 0100	SMD LE-DIODE TLMH3101 TE
CD 01015	83260 206 7000	SMD LE-DIODE LST670-K SI
CD 01016	83260 206 7000	SMD LE-DIODE LST670-K SI
CD 01016	83261 131 0100	SMD LE-DIODE TLMH3101 TE
CD 01017	83261 131 0100	SMD LE-DIODE TLMH3101 TE
CD 01017	83260 206 7000	SMD LE-DIODE LST670-K SI
CD 01021	83260 206 7000	SMD LE-DIODE LST670-K SI
CD 01021	83261 131 0100	SMD LE-DIODE TLMH3101 TE
CD 01022	83260 206 7000	SMD LE-DIODE LST670-K SI
CD 01022	83261 131 0100	SMD LE-DIODE TLMH3101 TE
CD 01023	83261 131 0100	SMD LE-DIODE TLMH3101 TE
CD 01023	83260 206 7000	SMD LE-DIODE LST670-K SI
CD 01024	83260 206 7000	SMD LE-DIODE LST670-K SI
CD 01024	83261 131 0100	SMD LE-DIODE TLMH3101 TE
CD 01025	83261 131 0100	SMD LE-DIODE TLMH3101 TE
CD 01025	83260 206 7000	SMD LE-DIODE LST670-K SI
CD 01026	83261 131 0100	SMD LE-DIODE TLMH3101 TE
CD 01026	83260 206 7000	SMD LE-DIODE LST670-K SI
CD 01027	83260 206 7000	SMD LE-DIODE LST670-K SI
CD 01027	83261 131 0100	SMD LE-DIODE TLMH3101 TE
CD 01028	83261 131 0100	SMD LE-DIODE TLMH3101 TE
CD 01028	83260 206 7000	SMD LE-DIODE LST670-K SI
CD 01029	83261 131 0100	SMD LE-DIODE TLMH3101 TE
CD 01029	83260 206 7000	SMD LE-DIODE LST670-K SI
CD 01030	83260 206 7000	SMD LE-DIODE LST670-K SI
CD 01030	83261 131 0100	SMD LE-DIODE TLMH3101 TE
CD 01041	83260 206 7000	SMD LE-DIODE LST670-K SI
CD 01041	83261 131 0100	SMD LE-DIODE TLMH3101 TE
CD 01042	83261 131 0100	SMD LE-DIODE TLMH3101 TE
CD 01042	83260 206 7000	SMD LE-DIODE LST670-K SI
CD 01043	83260 206 7000	SMD LE-DIODE LST670-K SI
CD 01043	83261 131 0100	SMD LE-DIODE TLMH3101 TE
CD 01044	83260 206 7000	SMD LE-DIODE LST670-K SI
CD 01044	83261 131 0100	SMD LE-DIODE TLMH3101 TE
CD 01045	83260 206 7000	SMD LE-DIODE LST670-K SI
CD 01045	83261 131 0100	SMD LE-DIODE TLMH3101 TE
CD 01046	83261 131 0100	SMD LE-DIODE TLMH3101 TE
CD 01046	83260 206 7000	SMD LE-DIODE LST670-K SI
CD 01047	83261 131 0100	SMD LE-DIODE TLMH3101 TE
CD 01047	83260 206 7000	SMD LE-DIODE LST670-K SI
CD 01048	83260 206 7000	SMD LE-DIODE LST670-K SI
CD 01048	83261 131 0100	SMD LE-DIODE TLMH3101 TE
CD 01050	83260 206 7000	SMD LE-DIODE LST670-K SI
CD 01050	83261 131 0100	SMD LE-DIODE TLMH3101 TE
CD 01051	83092 100 1600	SMD DIODE BAS16 AV215 -G8
CD 01213	83252 100 1600	SMD-DIODE BAS 16 PHI
CD 01301	83092 100 1600	SMD DIODE BAS16 AV215 -G8
CD 01401	83092 100 1600	SMD DIODE BAS16 AV215 -G8
CD 01601	83093 130 9900	SMD DIODE BAV99
CD 02001	83253 300 0300	SMD DIODE ES3D GI/ MURS3
CD 02002	83253 280 1000	SMD DIODE BYG10D TEMIC/ F
CD 02003	83092 100 1600	SMD DIODE BAS16 AV215 -G8
CD 02201	83093 140 5600	SMD-DIODE BAW 56
CD 02202	83093 140 5600	SMD-DIODE BAW 56
CD 02203	83093 140 5600	SMD-DIODE BAW 56
CD 02204	83093 140 5600	SMD-DIODE BAW 56
CD 02206	83093 140 5600	SMD-DIODE BAW 56
CD 02207	83093 140 5600	SMD-DIODE BAW 56
CD 02302	83093 130 9900	SMD DIODE BAV99
CD 02401	83093 890 7000	SMD-Z DIODE Z 47 SB14125
CIC 00001	83051 540 6500	SMD IC U4065B-AFL G3 TEMI
CIC 00001	83058 185 7600	SMD IC PCF8576CT/F2
CIC 00101	83058 415 9300	SMD IC TDA1593T/G13
CIC 00201	83058 473 4100	SMD IC TDA7340G
CIC 00501	83058 265 7900	SMD IC SAA6579T PHI
CIC 00601	83058 415 7200	SMD IC TDA1572T/G13
CIC 00701	83058 474 2800	SMD IC TDA7427ADTR (TSSOP
CIC 00801	83058 780 5600	SMD IC UPD78058GC-K31-3B9
CIC 00802	72008 538 2300	SMD IC 24LC16BT-I/SN PROG.KPL
CIC 01101	83058 506 7500	SMD IC TEA0675T/G7
CIC 01901	83058 473 4300	SMD IC TDA7342EQ2TR SGS
CIC 01951	83058 485 5900	SMD IC TDA8559T/N1,118 PH
CL 00001	81405 160 5700	SMD DR 322519 2,2UH 10%
CL 00002	81405 160 5700	SMD DR 322519 2,2UH 10%
CL 00603	81405 264 8100	SMD DR 1206 5,6UH 20% AV2
CR 00026	87750 090 8900	SMD-ESTR.C 4,7 KOHM LIN
CS 01021	19401 102 0000	TASTSCHALTER KQY-902 ALPS
CS 01022	19401 102 0000	TASTSCHALTER KQY-902 ALPS
CS 01023	19401 102 0000	TASTSCHALTER KQY-902 ALPS
CS 01024	19401 102 0000	TASTSCHALTER KQY-902 ALPS
CS 01025	19401 102 0000	TASTSCHALTER KQY-902 ALPS
CS 01026	19401 102 0000	TASTSCHALTER KQY-902 ALPS
CS 01027	19401 102 0000	TASTSCHALTER KQY-902 ALPS
CS 01028	19401 102 0000	TASTSCHALTER KQY-902 ALPS
CS 01029	19401 102 0000	TASTSCHALTER KQY-902 ALPS
CS 01030	19401 102 0000	TASTSCHALTER KQY-902 ALPS
CS 01031	19401 102 0000	TASTSCHALTER KQY-902 ALPS
CS 01041	19401 102 0000	TASTSCHALTER KQY-902 ALPS
CS 01042	19401 102 0000	TASTSCHALTER KQY-902 ALPS
CS 01043	19401 102 0000	TASTSCHALTER KQY-902 ALPS
CS 01044	19401 102 0000	TASTSCHALTER KQY-902 ALPS
CS 01045	19401 102 0000	TASTSCHALTER KQY-902 ALPS
CS 01046	19401 102 0000	TASTSCHALTER KQY-902 ALPS
CS 01047	19401 102 0000	TASTSCHALTER KQY-902 ALPS
CS 01048	19401 102 0000	TASTSCHALTER KQY-902 ALPS
CS 01049	19401 102 0000	TASTSCHALTER KQY-902 ALPS

ÄNDERUNGEN VORBEHALTEN / SUBJECT TO ALTERATION

POS. NR. POS. NO.	MATERIAL-NR. PART NUMBER	BEZEICHNUNG DESCRIPTION
CS 01050	19401 102 0000	TASTSCHALTER KQY-902 ALPS
CT 00001	83011 810 9300	SMD TRANS BFR93AR PHI/TEM
CT 00002	83010 068 5800	SMD TRANS BC858C/ BC857C
CT 00103	83010 068 4800	SMD TRANS BC848C/ BC847C
CT 00104	83010 068 4800	SMD TRANS BC848C/ BC847C
CT 00201	83011 601 3500	SMD TRANS BCR135 SIE AV21
CT 00202	83010 068 4800	SMD TRANS BC848C/ BC847C
CT 00203	83010 068 4800	SMD TRANS BC848C/ BC847C
CT 00601	83011 309 9200	SMD-TRANS.BF 992 A
CT 00602	83010 068 1800	SMD TRANS BC818-40/ BC817
CT 00603	83010 068 4800	SMD TRANS BC848C/ BC847C
CT 00604	83010 068 4800	SMD TRANS BC848C/ BC847C
CT 00606	83011 305 4300	SMD TRANS BF543E7810 SIE/
CT 00607	83010 068 1800	SMD TRANS BC818-40/ BC817
CT 00608	83010 068 1800	SMD TRANS BC818-40/ BC817
CT 00609	83010 068 4800	SMD TRANS BC848C/ BC847C
CT 00701	83010 068 0800	SMD TRANS BC808-40/ BC807
CT 00702	83010 068 0800	SMD TRANS BC808-40/ BC807
CT 00703	83013 701 4300	SMD TRANS DTA143ZKA
CT 00704	83013 701 4300	SMD TRANS DTA143ZKA
CT 00801	83011 601 3500	SMD TRANS BCR135 SIE AV21
CT 00802	83010 068 5800	SMD TRANS BC858C/ BC857C
CT 00803	83011 601 3500	SMD TRANS BCR135 SIE AV21
CT 00804	83010 068 4800	SMD TRANS BC848C/ BC847C
CT 00805	83010 068 4800	SMD TRANS BC848C/ BC847C
CT 00806	83010 068 5800	SMD TRANS BC858C/ BC857C
CT 00901	83010 068 4800	SMD TRANS BC848C/ BC847C
CT 00902	83010 068 4800	SMD TRANS BC848C/ BC847C
CT 00903	83010 068 5800	SMD TRANS BC858C/ BC857C
CT 00904	83010 068 1800	SMD TRANS BC818-40/ BC817
CT 01101	83011 601 3500	SMD TRANS BCR135 SIE AV21
CT 01102	83011 601 9200	SMD-TRANS.BCR 192 SIE
CT 01103	83011 601 3500	SMD TRANS BCR135 SIE AV21
CT 01201	83011 601 3500	SMD TRANS BCR135 SIE AV21
CT 01207	83010 068 4800	SMD TRANS BC848C/ BC847C
CT 01208	83010 068 0800	SMD TRANS BC808-40/ BC807
CT 01209	83023 661 4400	SMD TRANS DTC144EKA
CT 01211	83023 661 4400	SMD TRANS DTC144EKA
CT 01212	83010 068 0800	SMD TRANS BC808-40/ BC807
CT 01301	83010 068 4800	SMD TRANS BC848C/ BC847C
CT 01302	83011 601 3500	SMD TRANS BCR135 SIE AV21
CT 01304	83023 661 4400	SMD TRANS DTC144EKA
CT 01401	83010 068 4800	SMD TRANS BC848C/ BC847C
CT 01402	83010 068 4800	SMD TRANS BC848C/ BC847C
CT 01601	83010 068 1800	SMD TRANS BC818-40/ BC817
CT 01602	83010 068 4800	SMD TRANS BC848C/ BC847C
CT 01603	83023 661 4400	SMD TRANS DTC144EKA
CT 01951	83010 068 5800	SMD TRANS BC858C/ BC857C
CT 02201	83028 040 1000	SMD-TRANS.IMH 10
CT 02202	83028 040 1000	SMD-TRANS.IMH 10
CT 02203	83028 040 0200	SMD-TRANS.IMH 2
CT 02204	83028 040 0200	SMD-TRANS.IMH 2
CT 02206	83010 068 4800	SMD TRANS BC848C/ BC847C
CT 02207	83010 068 0800	SMD TRANS BC808-40/ BC807
CT 02208	83010 068 1800	SMD TRANS BC818-40/ BC817
CT 02209	83010 068 1800	SMD TRANS BC818-40/ BC817
CT 02211	83010 068 1800	SMD TRANS BC818-40/ BC817
CT 02212	83010 068 1800	SMD TRANS BC818-40/ BC817
CT 02213	83010 068 4800	SMD TRANS BC848C/ BC847C
CT 02214	83010 068 5800	SMD TRANS BC858C/ BC857C
CT 02216	83010 068 5800	SMD TRANS BC858C/ BC857C
CT 02217	83010 068 4800	SMD TRANS BC848C/ BC847C
CT 02301	83010 068 4800	SMD TRANS BC848C/ BC847C
CT 02302	83010 068 4800	SMD TRANS BC848C/ BC847C
CT 02303	83010 068 5800	SMD TRANS BC858C/ BC857C
CT 02404	83010 068 5800	SMD TRANS BC858C/ BC857C
CT 02406	83010 068 4800	SMD TRANS BC848C/ BC847C
CT 02407	83011 601 3500	SMD TRANS BCR135 SIE AV21
CT 02408	83010 068 5800	SMD TRANS BC858C/ BC857C
CT 02409	83010 068 5800	SMD TRANS BC858C/ BC857C
CT 02411	83010 068 4800	SMD TRANS BC848C/ BC847C
CT 02412	83010 068 4800	SMD TRANS BC848C/ BC847C
D 01201	83092 150 2000	DIODE 1 N 4004 -GA
D 01202	83092 150 2000	DIODE 1 N 4004 -GA
D 01206	83092 150 2000	DIODE 1 N 4004 -GA
D 01207	83092 150 2000	DIODE 1 N 4004 -GA
DP 00001	19720 265 0000	DISPLAY OPTREX
F 00001	86022 221 2100	KERFIL #121 10,7MHZ AV330
F 00002	86022 230 8000	KERFIL #80/A 10,7MHZ AV33
F 00003	86022 221 9000	KERFIL #190 10,7MHZ AV330
F 00102	86022 221 9000	KERFIL #190 10,7MHZ AV330
F 00601	86028 100 5500	KERFIL #55 450KHZ RAD
G 01001	19411 015 0000	POTENTIOMETER ENCODER
IC 01601	83053 373 8500	IC TDA7385 SGS
IC 02001	83052 049 5300	IC L4953G SGS
L 00003	81405 339 0400	SPULE 7X7 #904 SIGN533904
L 00004	81405 302 7000	SPULE 9 #76 UKW 0,15UH
L 00005	81411 543 5000	FILTER 5X5 #350 10,7MHZ
L 00006	81405 302 6900	SPULE 9 #75 UKW 0,1UH
L 00101	81405 352 5600	SPULE 7X7 #256 SIGN535256
L 00601	81405 331 6500	SPULE 7X7 #165 SIGN533165
L 00602	81405 331 1800	SPULE 7X7 118 SIGN 533118
L 00604	81405 331 3100	SPULE 7X7 #131 SIGN131 45
L 00606	81405 351 1600	SPULE 7X7 #116 SIGN116 45
L 00607	81405 351 0600	SPULE 7X7 #106 SIGN106 45
L 02001	81405 228 0100	DR 97UH 15% T68-26 3111-1
L 02401	81405 254 3800	DR A AX-GA 1000UH 5%
Q 00201	86023 330 1000	KERRES #10/12 456KHZ
Q 00701	83822 121 0200	QUARZ #212 10,25MHZ
Q 00801	83821 704 3300	QUARZ #170 A/C 4,332MHZ
Q 00802	83822 007 9700	SCHWINGQUARZ 32,768 KHZ /
R 02002 ⚠	83151 001 6000	SI POLYSWITCH 1,6A 30V RU
S 01056	19401 103 0000	TASTSCHALTER SPVF11 ALPS
SI 01701 ⚠	83157 031 0000	FLACH-SI. 10 A
T 01303	83032 873 6900	TRANS.BC 369 GEG.AMMO-PAC
T 02401	83032 873 6800	TRANS.BC 368 GEG.AMMO-PAC

Es gelten die Vorschriften und Sicherheitshinweise gemäß dem Service Manual "Sicherheit", Mat.-Nummer 72010 800 0000, sowie zusätzlich die eventuell abweichenden, landesspezifischen Vorschriften!

⚠ (!)

The regulations and safety instructions shall be valid as provided by the "Safety" Service Manual, part number 72010 800 0000, as well as the respective national deviations.

ÄNDERUNGEN VORBEHALTEN / SUBJECT TO ALTERATION